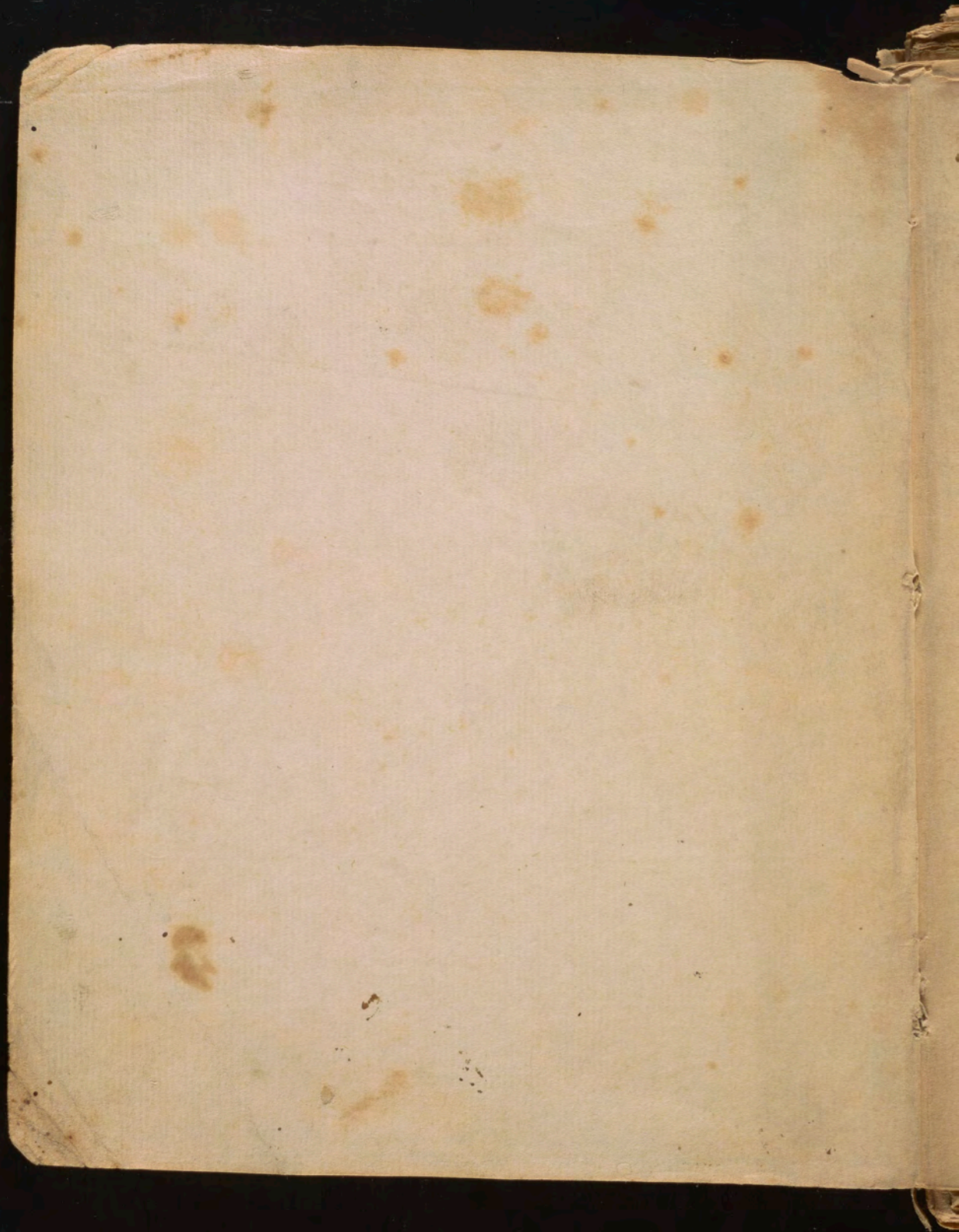


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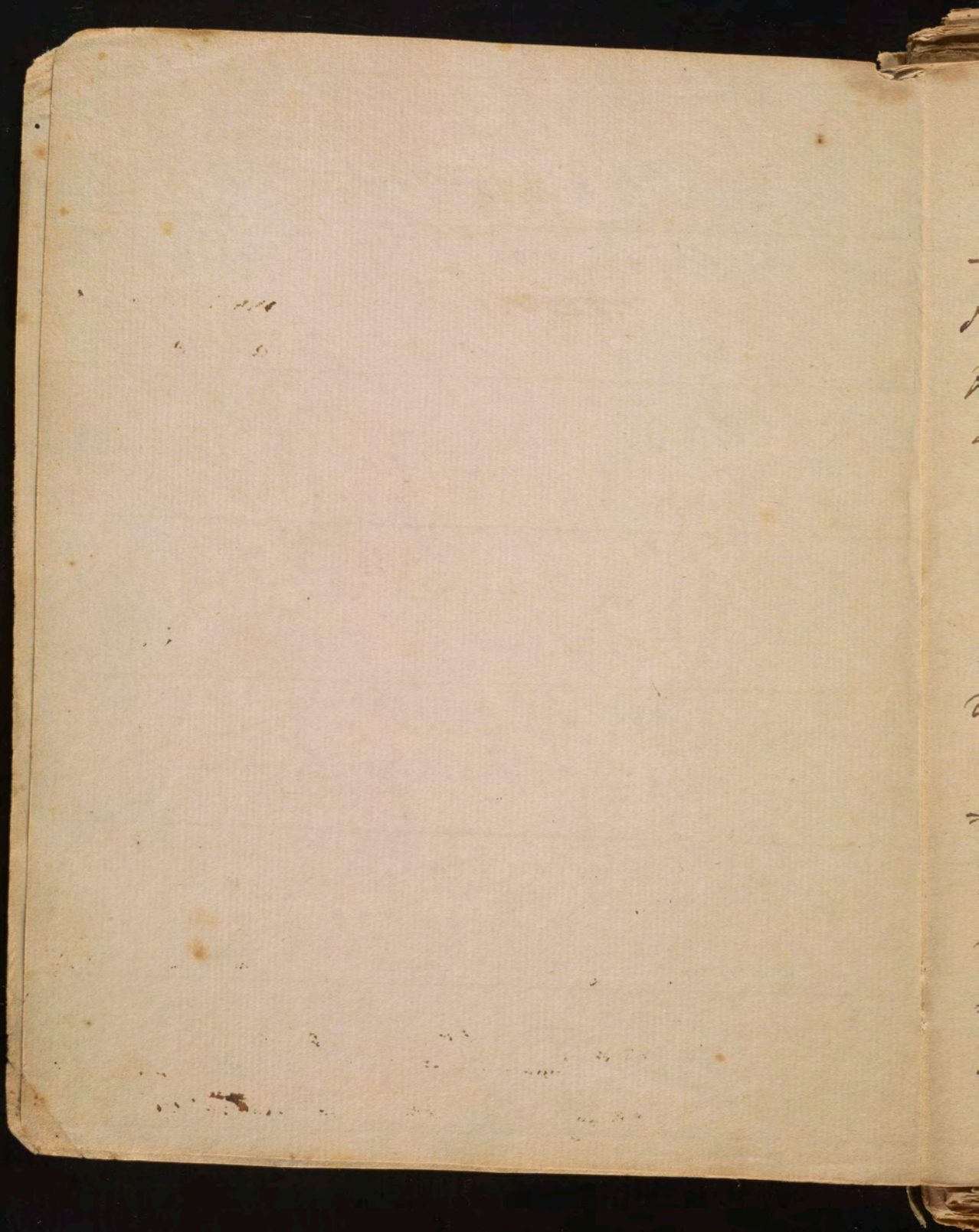
Ques: ⁱⁿ

The practice of Physic is that part of
medical Science which treats of
the ~~of~~ ^{causes} - Symptoms - & cure of
diseases. —

The causes have been divided into
remote - predisposing - exciting - or
occasional & proximate each of w^{ch}
have been defined in our pathology.

~~Symptoms or signs of diseases are
divided into 3 kinds. 1st of the ^{remote} ~~prox~~ cause
as angina in Pleurisy. It is derived
from the same remote cause~~
on diseases

In the a course of lectures, it is com-
mon to distinguish ⁱⁿ y^e from each other
& to forest this issue. The former is called
Diagnosis - the latter Prognosis.



my system of medicine renders the
Diagnosis of but little consequence.
— The indications of cure as I shall
say hereafter ~~do~~ arise not so much
from the seat of a disease as ^{from general} the state of
the system. The Prognosis shall have
its due weight in our lectures. —

The principles I have adopted ren-
der it unnecessary for me to adopt a
new order, for I reject — totally reject
DeCullen's & all other nosological ar-
rangements of diseases. Were I follow
the simplicity of my principles I should
likewise reject all the usual names
by ^{which} diseases are designated, & treat of
them all as morbid actions varied only
by their seats, or force. — But for the

present I shall retain the usual
names of diseases, but shall distinguish
when they are symptoms only of
disease. — ~~I shall~~ The order I shall
pursue is the same, as that delivered
in our Pathology. I shall begin th with
the diseases of the arterial system ^{and wish to}

The only division I ~~shall~~ admit
of diseases is into such as affect
the whole, & such as affect a part
of the system. But this is liable to
objections — for genl. diseases often
terminate in such as are local — &
local disease pass into such as are
general. —

Still less proper will be to describe
diseases from the different systems they
affect, for there is no general disease

The practice of physic is that branch of medicine which treats of the causes & cure of diseases.

A Disease is that condition of the animal body in which the functions ^{of the body or mind} are not performed at all, or performed with difficulty.

The Causes of diseases are divided into remote predisposing - occasional & proximate.

E.g. Cold is the remote & predisposing cause of ~~hemorrhage~~ ^{hemorrhoids}. A blow, a fall, or violent exercise is the occasional cause - The rupture of ~~the~~ a blood vessel is the proximate.

A Symptom is an apparent deviation from health, & is always obvious to the senses. - It is the sign of a disease.

Symptoms are of 3 kinds. 1. Symptoms

that does not affect 2, 3, & 4. and
sometimes all the systems men-
tioned in our pathology. —

The disease called improperly fever.
shall be the first subject of our

~~✓~~ Symptoms appear in the animal - vital
& natural functions. The animal are
the organs of voluntary motions - sensations
& intellectual operations.

~~The vital - are those which are supposed
most essential to life - such as the motion
of the heart - the circulation of the blood -
& respiration.~~

~~The natural are ^{digestion - appetite} digestion - and the regular
discharge of the feces. —~~

Distention : I say improperly called
fever - for the word implies putresc-
tional heat - now many fevers are
so far from being accompanied by heat,

of the disease. 2 Symptoms of the cause & 3 Symptoms of symptoms. The 1st are symptoms of the primary cause. The 2nd of the remote cause - The 3rd proceed from both & are secondary. Pain - the cause
fever & cough are symptoms of ~~the cause~~
in a pleurisy. If Coryza or Angina attend they
are symptoms of the remote cause. The difficult
respiration is a symptom of a symptom viz
pain. ✱

Diagnosis

Those symptoms which taken collectively form the distinction of diseases constitute the diagnosis. Eg: Sickness at Stomach & the pain being seated in the small joints distinguish Gout from Rheumatism. -

Prognosis

Is a declaration of the issue of a disease taken from the State & degree of the symptoms. -

Diseases are Idiopathic & Symptomatic.

that the heat is natural & sometimes
diminished in them. It is nearly
as proper to call a fever - a pain -
or thirst - a want of appetite - for
^{as much} these symptoms of what is called fever
as put heat. you see here Gent. how
much we are shut up as it were
to truth ^{in medicine}. Time will ~~use~~ probably
bury ^{all the} ~~every~~ names of diseases in the
same grave with the names of heathen

IV Diseases are general affecting the whole
system, and from the same cause, and
2^d local - affecting only particular
parts of the system & from different
cause. E.g. fever - a general disease.
Cancer or Rheum - a local disease. -

- They cannot be separated in a course
of lectures. The same disease is often
^{general & local} both in its different stages. E.g. Ophthalmia.
Phlegmon / Gout. Then & not till

29. The Angina is ~~only~~ an Idiosyncratic disease.
 Globus hystericus - a symptomatic disease.

Diseases are natural & artificial

The natural diseases are chiefly fevers.

66,000 out of 100,000 diseases in London in Sydenham's time were fevers in London. At present out of 100,000 diseases only 10,000 belong to the class of fevers. Fevers - Casualties - war & old age appear to be the only outlets of human life. —

The artificial diseases are the offspring of civilization. The nervous or nervous Diseases constitute a principal part of them.

The Indications of cure are founded on a knowledge of the proximate cause of diseases. — 29. If increased excitement is the cause of madness the indication of cure is to reduce it by indirect tranquil or debilitating remedies.

Remedies are natural & artificial

thus will medicine, - be a per-
fect science. In considering the
different states of fever, I shall first
inquire into its proximate cause,
& this I shall do by reading to you
a few pages in the 4th vol. of my
Inq: & Obs: begining at p: 123 +
~~These pages are a text only~~

The natural remedies are the powers of nature - the artificial are taken from $\frac{1}{2}$ Materia medica. - I shall consider the powers of nature hereafter. -

In treating on diseases - arrangement necessary. wished for by Sydenham - begun by Sauvage - improved by Vogel - Lincus - Pearson & Dr Cullen. - What order shall we pursue? - ~~From this list? no - this?~~
~~be three modes - 1st Heat - 2 cause or 3rd cause. 1 unnatural - eg: Thorax - Infl^u & dropsy - two of the most opposite diseases. -~~
~~2 Best when known - but who can explain the proximate cause of all the nomenclature of diseases? - The 3rd faculty. eg: & the remedy of Malignant Sorethroat & the Ven^{er} Disease.~~
~~Whither to I have followed Dr Cullen. But since I hold myself ^{more} responsible ^{than} formerly for the manner & matter of a course~~

The Order I shall pursue in this course
of lectures shall be first to treat upon
~~the most frequent diseases~~ ^{General Diseases}. These will include
the most frequent fevers - in which I shall
include ~~not only~~ ^{inflamm.} fevers - but
~~fevers from contagion of many kinds~~
Hæmorrhages - exanthematic eruptions
& w^h Drullen calls Profluvia -

2 Neurotic Diseases.

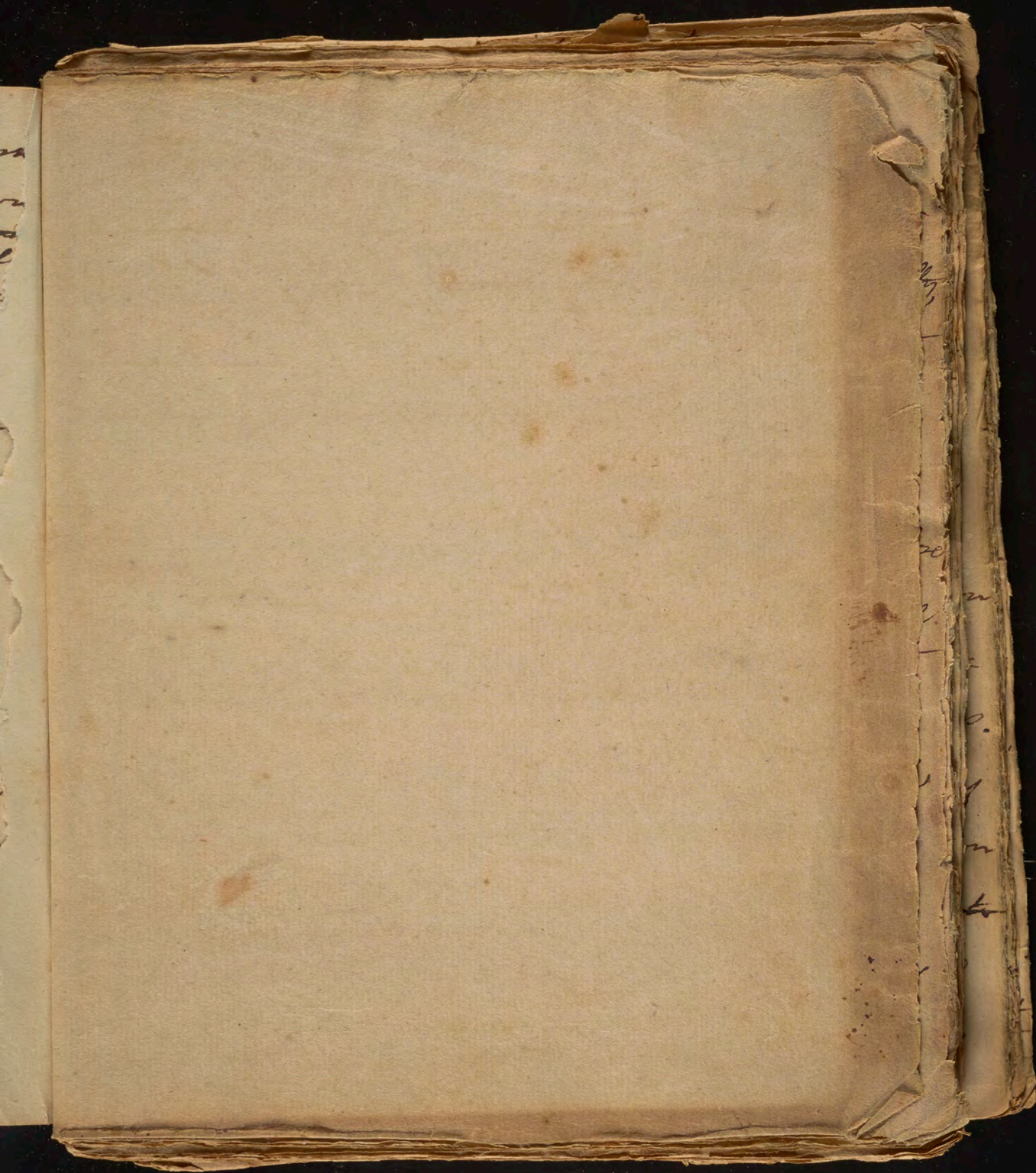
3 ~~of Diseases~~ ^{Dropsies} which affect the solid

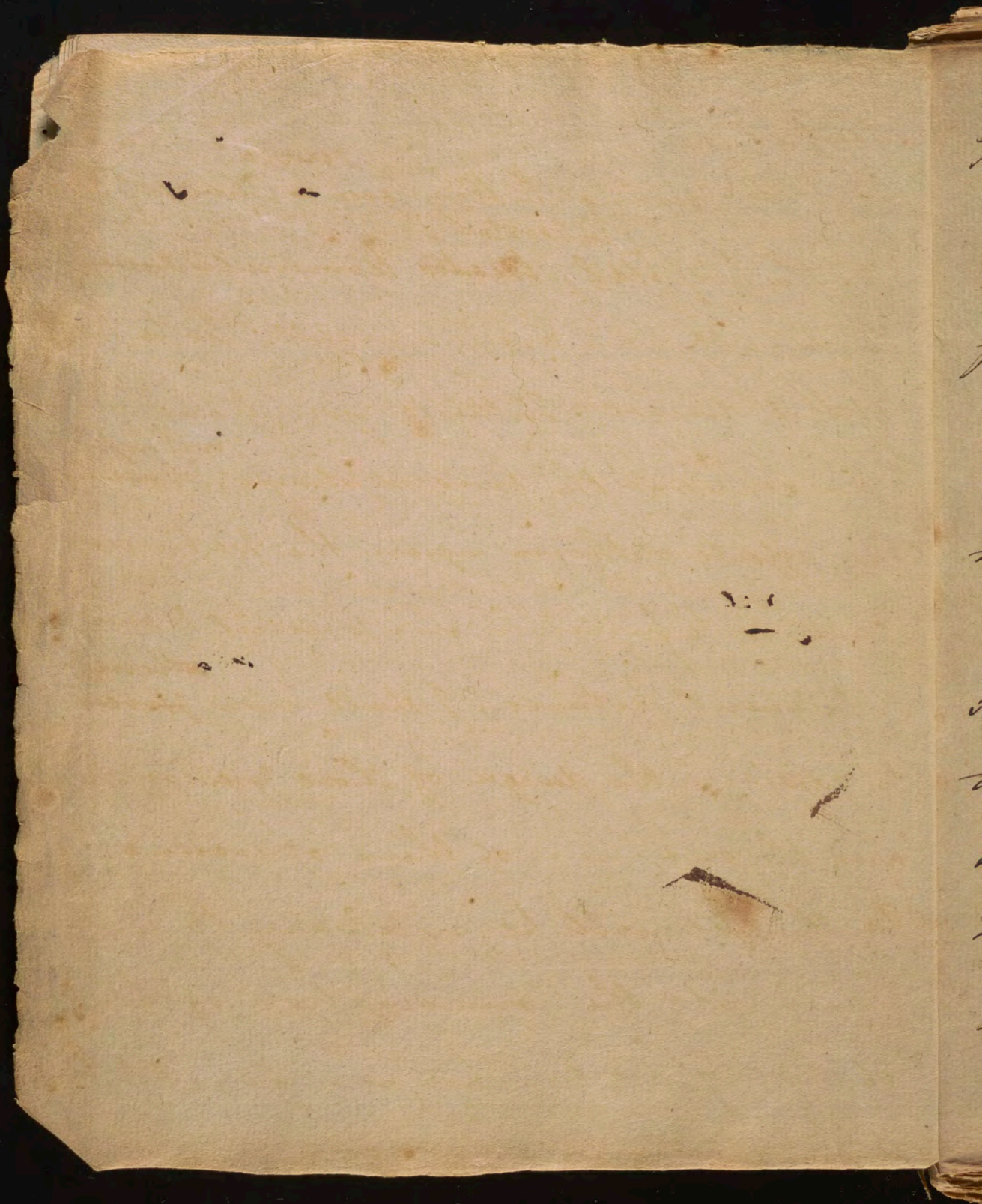
3 of Diseases from effusions of
water or air in different parts of
the body.

4 of Diseases which affect the skin -
color - or ~~figure~~ ^{texture} form of the skin and
external parts of the body.

4 5th of Diseases more certainly local

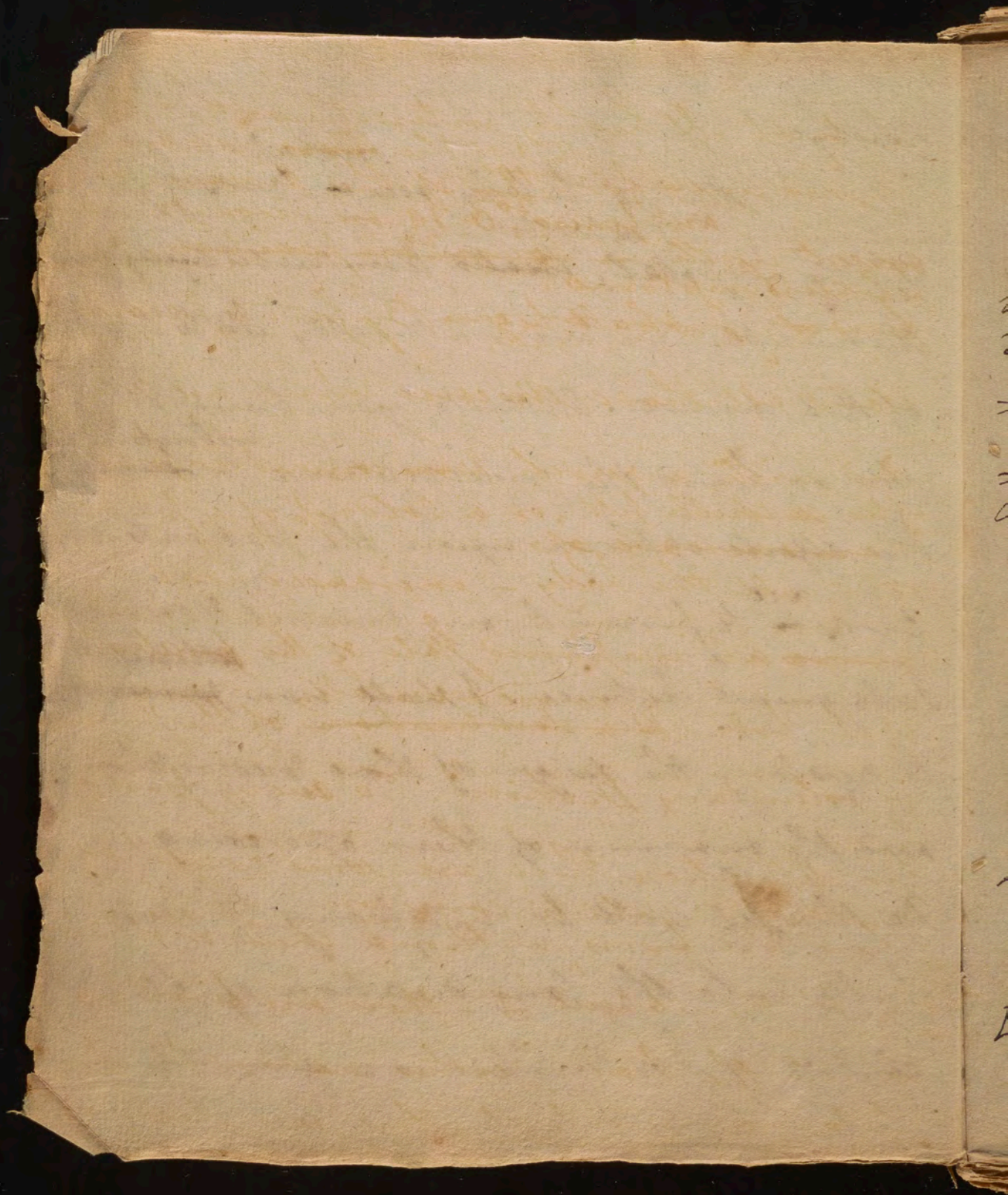
To these I shall add an acc^t of the diseases of
women - children & negroes - also the
diseases of old people - and the diseases
mentioned in the old & new testament. -





Gentl^r

Having lately seen ^{several} Cases of fever
[viz Boston] in the hospital, ~~treated~~ terminated ~~successfully~~
favorably, we are naturally led to treat
of that disease. Hitherto you have only
seen or heard the prescriptions, & ^{witnessed} ~~seen~~
the effects of them upon the patients whose
cases ^{are} to furnish our present & several
subsequent lectures. I shall now ^{attempt} ~~proceed~~
to explain the design of those prescriptions,
and the manner of their operating. To
do this, it will be necessary to enter
fully into the consideration of fevers
of every kind. This is a fruitful



Subject, & highly interesting to a stud.
of medicine for ²⁷³ of the ~~fever~~ diseases
are fevers, & ¹⁹ of the diseases we
meet with in ~~Common~~ ²⁰ practice, are
febrile symptoms.

I shall begin by fevers I under-
stand all those diseases which are attend-

ed with a quick & ~~is~~ convulsed pulse,
after a chilly fit - or a coldness of a part,
- ~~a~~ ~~increase of~~
or of all the body - increased heat, -

~~as~~ an impaired state of the functions
of the body - & ^{more especially} ~~a diminution~~ of the powers
of voluntary Motion". To every part of

this definition there are some exceptions.

There are fevers ^{which come on} without chills or coldness -

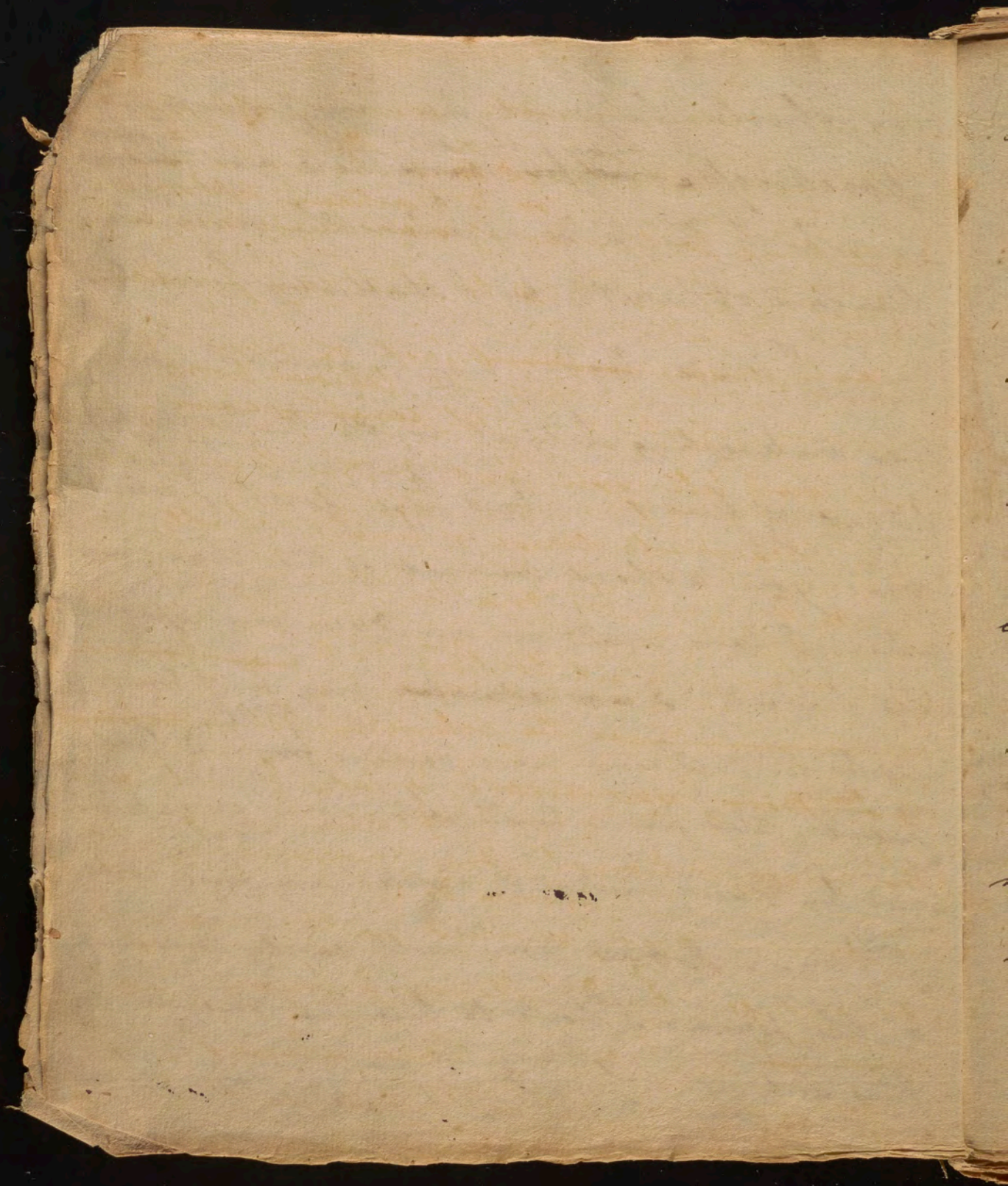
as the Dumb Ague & - there are fevers in
which the heat is either natural, or
below it - and lastly there are fevers

✓ The causes of fevers are four -

predisposing - remote - exciting, &
proximate: I shall illustrate each
of them by an example. Debility
is the predisposing - heat succeeding
cold, or contagion is a remote -
fatigue, or intemperance is an
exciting, and a certain state of the
arterial system ^(to be mentioned presently) is the proximate
cause of fever! - The concurrence
of ~~all four~~ ^{the 3} causes first mentioned
is not always necessary to produce
fever, for it may take place
without either a predisposition
or an exciting cause, - but this
is seldom the case. -

in which the pulse has no perceptible
Quickness ^{any more} ~~and for some~~ there are ^{fevers} ~~cases~~
in which the pulse is below the ordinary
standard of health as I shall say hereafter.

I shall begin my inquiries upon
this interesting subject with the proximate
cause of fevers. - And here first: I must
give you a short account of the changes
which I have made in my opinions upon
this subject. ~~I was educated~~ my first prin-
ciples in medicine were derived from Dr. Boer-
haave, and from his ~~opinions~~ as explain-
ed by Vanswieten I adopted my first ideas
of fever. ~~So~~ you will easily conceive
of the pains I took to become master of
this subject when I inform you that



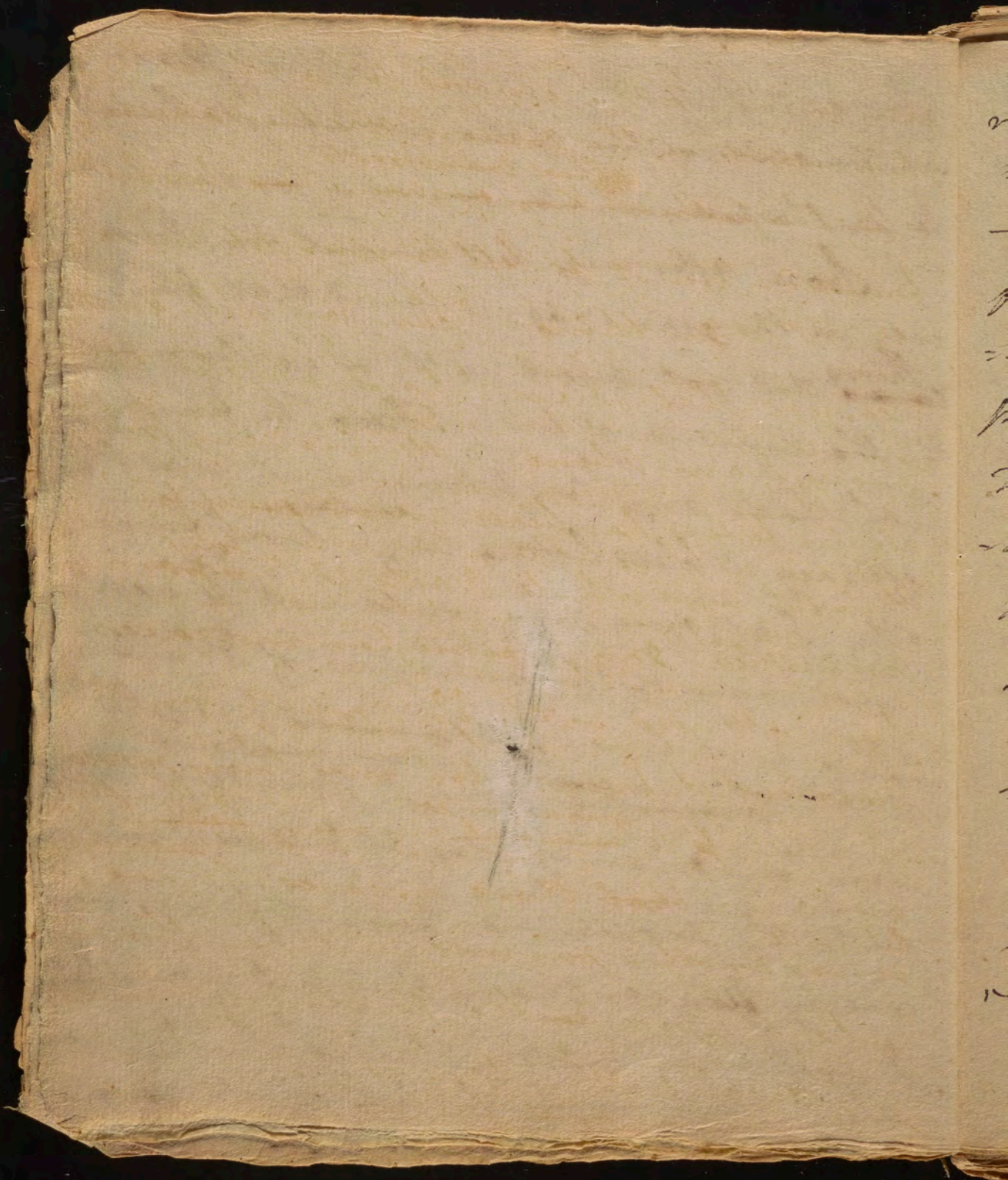
before I was twenty years of age, I
abridged in a large Quarto volume
all those volumes of van Swieten ^{on Dr Boerhaave's Aphorisms} ^{with}
treat of fever, and to this day I retain
nearly every ~~important~~ ^{elaborate} fact of any conse-
quence related in that ~~lengthy~~ ^{tedious} ~~essay~~ ^{work}. I
need not tell you that Dr Boerhaave placed
the proximate cause of fever wholly in
centric & morbid matter. —

When I went to Bonn: I ~~was~~ ^{was} forced
~~with reluctance~~ to relinquish this doctrine
of ~~Dr Boer~~ proximate cause, & embraced
^a ~~the~~ more rational one ^{first} proposed by Dr
Hoffman and ^{afterwards} revised with many
advantages by D. Haller — I mean the
^{theory} ~~doctrine~~ of Spencer. This relieved me
from many of the Absurdities of Dr B.

V not withstanding the practice, I have
and for ^{it} ~~now~~ near 20 years with ^{the} ~~com-~~
~~greatest~~ ~~stead~~ success. For in every part of my
life, I have constantly made ~~all~~ my
theories ^{bend} ~~yield~~ to facts, and not my facts
to theories; for I have in all my studies
I have ~~been~~ pursued truth above all things, ~~and~~
~~all things as the supreme good of my life.~~ ^{my life} ~~of my life.~~
And this I know can only be attained, by
making theories bend to ^{facts} ~~theories~~, & not
facts to theories. —

theory, and for a while I believed ⁱⁿ it as
the cause of fever.

Soon after my settlement in this city in the year 1769, I found that this ~~theory~~ ^{theory} did not accord with or explain all the phenomena of fever. ~~For~~ The first thing that shook my confidence in it was the efficacy of blood letting in ^{certain} Intermittent fevers. This I at once saw could not be exp^d upon any of the principles of DeHallen's Theory of fever, ~~and instead~~ ^{I have mentioned} I adopted ^{from this time} I floundered on upon an ocean of doubt & Uncertainty as to the proximate cause of fevers for many years. many painful hours have I spent in contemplating this subject. at length - however light broke in upon



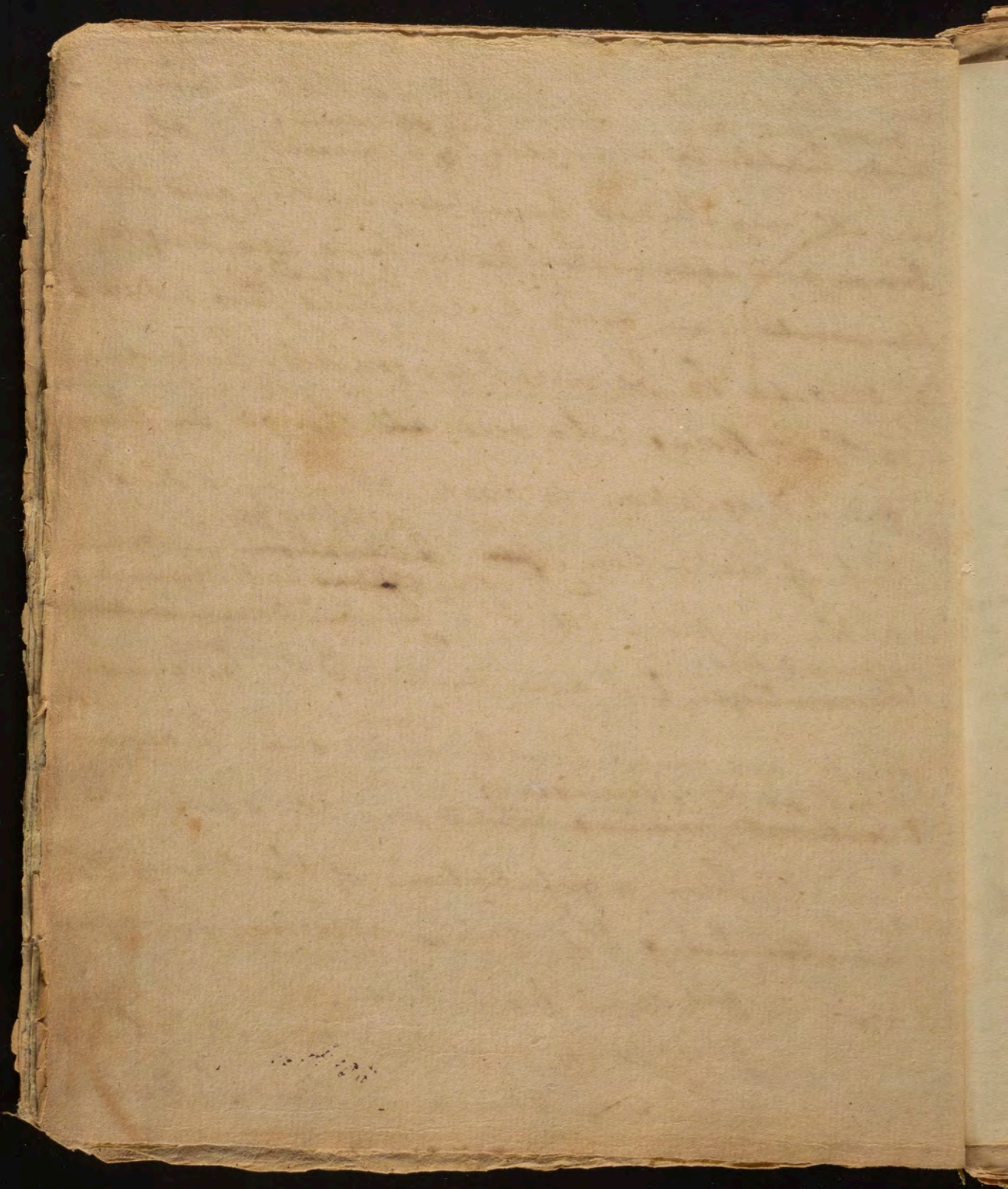
my mind - and I enjoyed for a while the
transports of the Grecian mathematician -
- But whether ^{these transports} ~~they~~ were ~~as~~ truly
founded - must be left to your determina-
- tion. - One thing - I can say with great
pleasure that - since I have adopted the
theory I am about to deliver, my prac-
- tice in fevers has been more successful
than it was while I adhered to ~~my~~ ^{my} former
principles. My practice has moreover
been attended with less anxiety in the
treatment of fevers - for my theory serves
as a lamp to ~~guide me~~ ^{guide me} in every ~~part~~ ^{difficulty} that
occurs in ~~that~~ those diseases. It has ^{moreover}
likewise served another purpose - it has thrown
a light upon ~~the~~ the proximate causes
of several other diseases. I ~~do~~ feel no shame Gent.

V I am the more ^{satisfied with} reconciled to my
having deserted the theory of ~~Spencer~~ ^{your} my beloved &
venerable master since I have heard that
it is deserted by ~~most~~ of his pupils in
Britain & Ireland, and that ~~at present~~ it
is ~~not~~ ^{no} longer taught in the University
of Edinburgh. ~~Some of you have been~~
~~told by the Professor~~

in thus publicly confessing that I ^{have} ~~seen~~
^{more than once} ~~been~~ liable to changed ^{my opinions} ~~at many~~ ^{very} objects
in all my studies have been truth, and this
~~time and experience~~ ^{have long ago} ~~taught~~
~~the world~~ ^{can only be attained} ^{by reading} ~~this~~ ^{admission}
of error. To be unchangeable, belongs only
to that Being who sees ~~all~~ things in their
order & relation to each other by a single
act of instruction. ^{a change} ~~Alteration~~ in opinions
is the necessary effect of ^{the successive} ~~all~~ additions to ^{in the acquisition} ~~our~~
^{of new ideas,} ~~knowledge~~. I am disposed to believe
that no new truth ^{can} ~~will~~ ever be acquired
^{but at the expense of} ~~without parting~~ with an old error. ✓

For a refutation of the theory of
Lentor being the cause of fever, I refer
you to Dr Fuller's first lines.

I object to morbid matter being
the proximate cause of fever. Because



~~proximate cause. -~~

~~By ~~proceeding~~ Contrary to custom I shall
begin wth proximate cause - so most proper -
- the natural order in the mind - we
always begin wth it, before we proceed to
remote - occasional - or predisposing. -~~

~~We reject~~ ~~center~~ - shall now only enquire
whether ~~material~~ matter is - Dr Boerhaave
supposes it is. - ~~Object~~ 1. ~~Humors~~ bro't on
by frights & other causes w^{ch} cannot produce
matter. 2 They are cured by lightning -
Electricity - passions of the mind & things
which neither destroy or evacuate it.

3 ~~Humors~~ are cured without evacuations.

Eg Bask. - 4 no Acrimony or morbid
Quality in humors or sediments in
the Urine. are accidental as we

shall shew hereafter. 5 Effluvia - are

of fever.
the remote causes, not proximate. -

✓ I acknowledge that I have no Ambition to
be the Author of a ~~new~~ ^{or improved} system of physics. I know
full well how much the charge of being an in-
novator ~~of~~ or a man of fanciful or speculative
talents, & affects both the reputation and
business of a physician. Dr Harvey lost both
by publishing his discovery of the Circulation
of the blood. But after the declaration I have
made, that ~~theory~~ ^{useful} is not only ~~unavoidable~~,
in compliance with the obli-
gations I owe to this Chair, I shall at the risk of repu-
tation, & even the means of Subsistence
venture to deliver one, ~~for false truth~~
~~show~~

11

arise
Absorbs - from diminished excitement in the
extreme vessels - ^{for the} humors are most disposed
to stagnate near the
surface of the body, ^{they} occurs in madness, &
yet who ascribes madness to morbid matter.

~~Dr Fullen supposes Spasm on the~~
~~capillary vessels to be the proximate~~
~~cause of fever. This is Hoffmann's~~
~~opinion likewise. I object to it~~
~~being the proximate cause of fever -~~
~~1 because it will not explain the~~
~~phenomena of fever. 2 Because it~~
~~is a temporary &~~
~~an accidental effect, & not~~
~~the cause of fever. 3 Because many~~
~~fevers appear evidently to exist~~
~~without any such such Spasm.~~
~~I object to Dr Brown's Theory of fever~~
~~because he~~

~~Dr Brown says~~ makes fever to consist
in too strong, or too weak exciting power
- This extends no further than ^{to explain} a
predisposition to fever - and does not
distinguish it from the operation of
exciting, or debilitating powers on a
healthy body. - I shall proceed to
deliver ^{the} proximate cause of ^{which has} ~~any~~ ~~been~~
been the result of the inquiries before ment.

V It ~~has~~ moreover ^{the advantage of} ~~recommended by its simplicity,~~
to recommend it, for I believe we ~~lead~~ ^{lead} to perfection
in all ^{our} inquiries in science in proportion as we
arrive at single principles. As Love is the
great principle of activity in the moral - and
Attraction, in the inanimated natural world,
so I apprehend that a principle equally
^{only} simple, is the principle of life & activity in
the animated world.

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V This inquiry will be useful, for
all the mistake & want of success in
the cure of fever are owing to an
ignorance of what a fever is, & ^{to} are
the cause of all ^e the symptoms which
attend it.

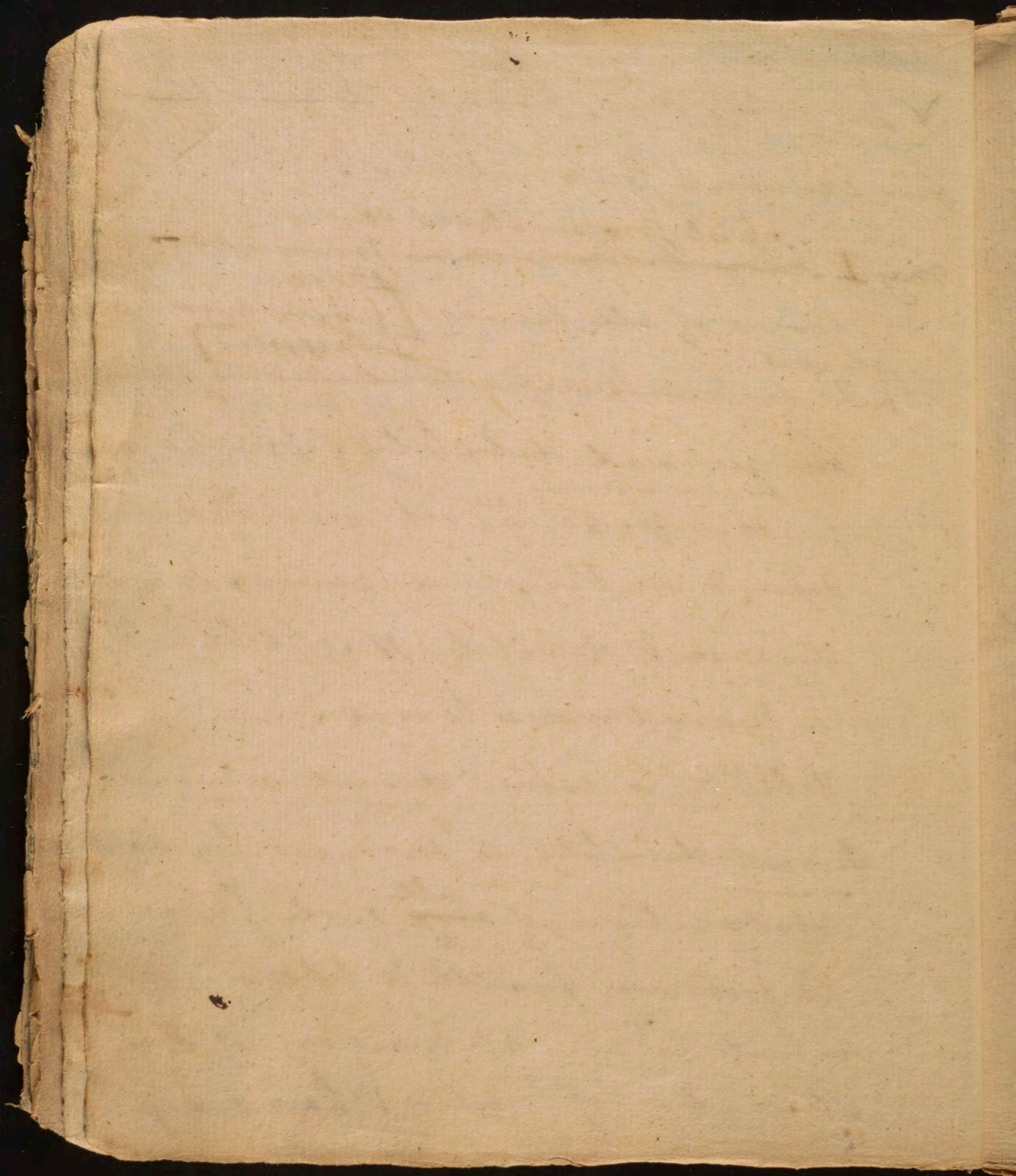
✓ In doing this, I shall deliver ^{as} the
five general propositions.

my I ^{first proposition is,} ~~say it down as a principle y.~~
^{those} fevers of all kinds ^{excepted} [fever wounds
poisons] & a few specific contagious ^{depend}

on general debility: I might go
further & add y: all general diseases
depend on the same causes so y:
disease & debility might be used
a synonymous terms. —

Debility is either direct or indirect.

Direct debility is produced by an
abstraction of ^{all} ~~any~~ such stimuli
as produce health & life. Exd
which is an abstraction of the
stimulus of heat - & hunger w:



is the Abstraction of the Stimulus
 of food - ^{also -} grief & fear which are
 Abstractions of ^{the Stimuli of} joy & hope - all
 induce direct debility.

Indirect debility is ^{produced by an} ~~the~~ ⁱⁿ the
~~applic~~ Action of Stimuli on the
 body. That above 96° or 100°: Labor
 or ~~body~~ which induces fatigue - and too much
 food or drink all induce indirect
 debility. —

There is all bodies a certain healthy
 point of existment. I shall suppose
 it 40° — ~~at every~~ The Abstractions
 of natural Stimuli by reducing
 the system below 40 produces direct
 debility - the increase of the force
 of Stimuli by raising the system

V I shall first mention the
causes which induce direct then
those which induce indirect de-
-bility. I shall begin with the
first, ~~or~~ such as are direct.

Above no produces indirect debility.

~~This~~ Both these species of debility are
predisposing causes of fever only. They
do not constitute a fever & ~~but~~ ⁱⁿ

this I dissent you see from Dr Brown
who makes fevers of too much &
two little nations consist wholly
in an excess or deficiency of this
natural excitement.

1. ~~I~~ I prove that fevers depend on ^{predisposing} debility
from this causes. They are 1 Cold.

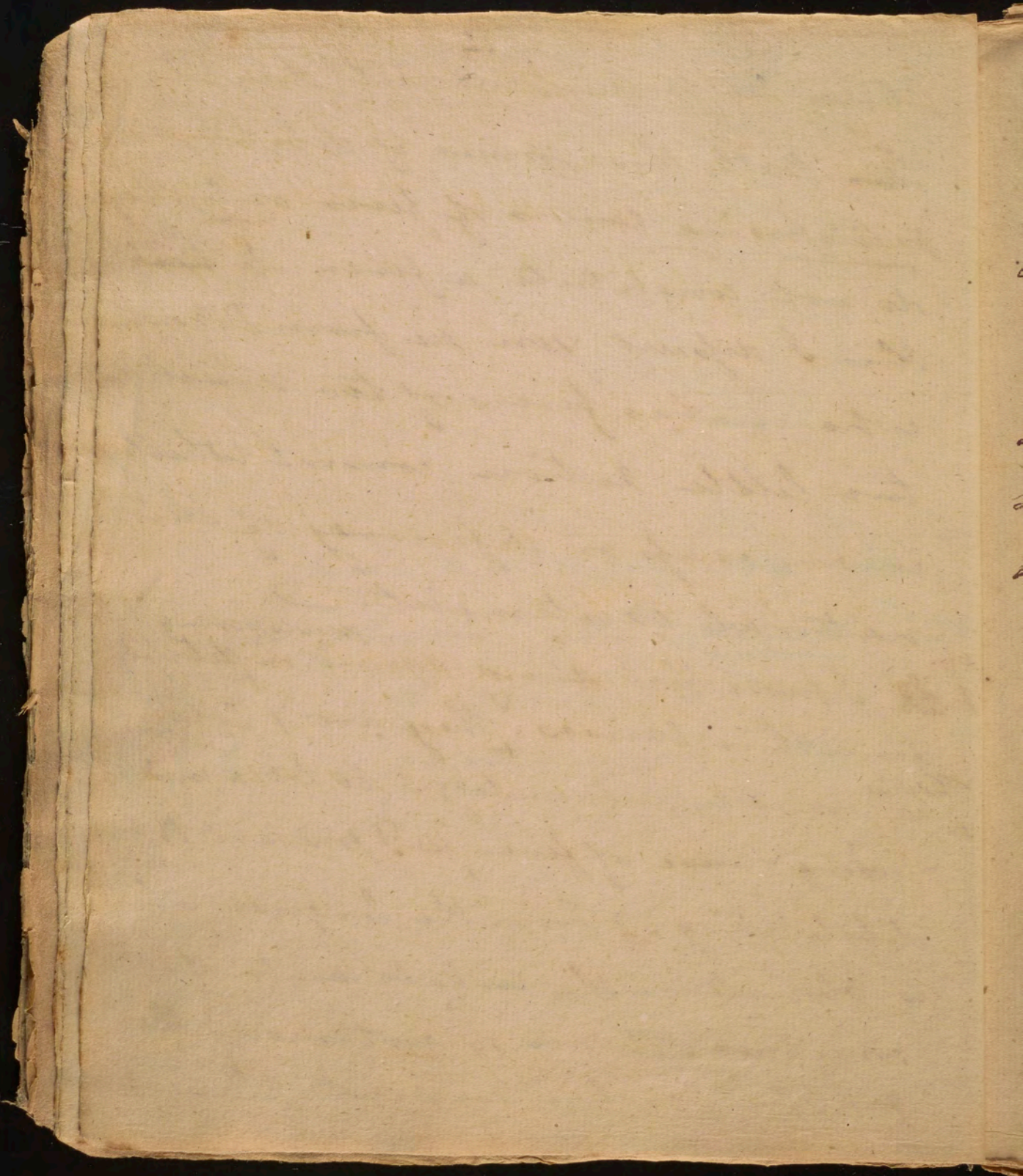
This is ^{universally} acknowledged to be a predis-
-posing cause of fever, & I prove it to be

debilitating. 1 From the languor which

is observed in the inhabitants of cold

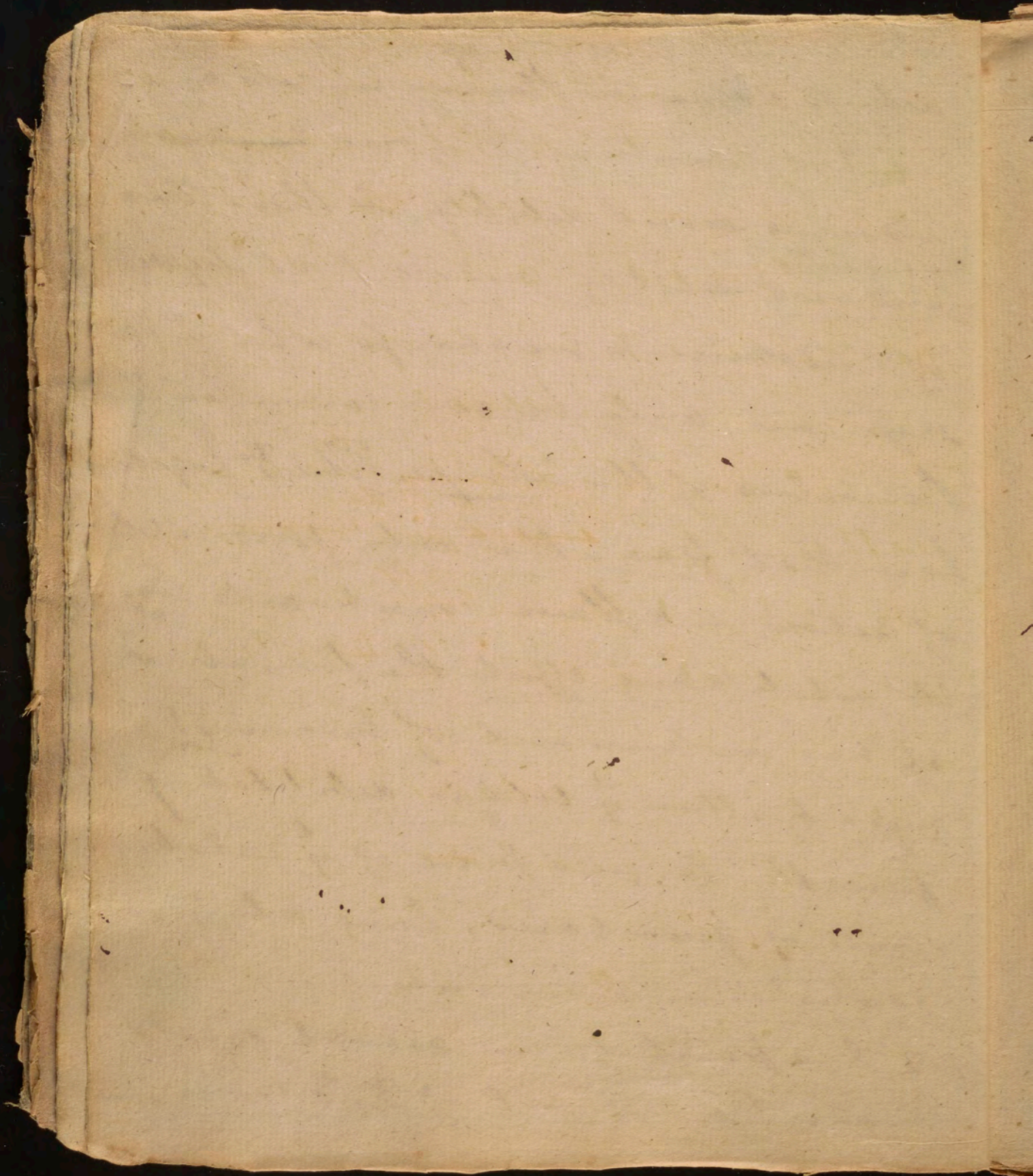
countries. This is so notorious that

Dr Wilson is his account of climates



defends domestic Slavery in cold as well
as hot countries. The one ~~has~~ says by
inducing direct debility & the other
by inducing indirect debility produce that degree
of indolence & weakness which he
says can only be overcome by the
stimulus of the whip. [He forgets
here that fear - the only principle
of action in a slave counteracts by
its debilitating effects the stimulus
of his instrument of tyranny! I
infer further $\frac{1}{2}$ cold is debilitating
from the languid pulse of $\frac{1}{2}$ inhabi-
tants of Greenland. living only 40, or
50 strokes in a minute.

2 I infer it from actual exp^{ts}
made by a pupil of Dr Brown, -

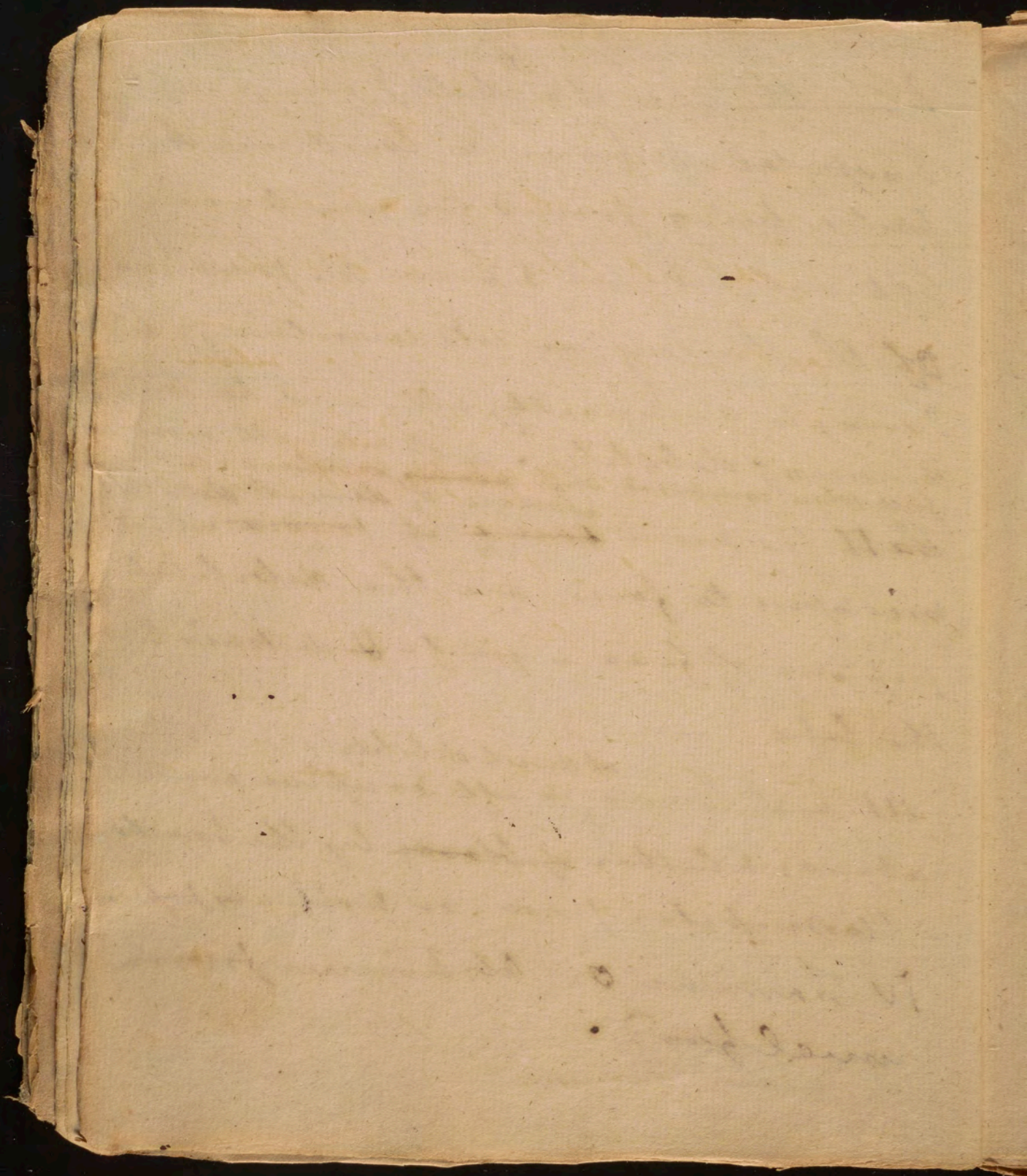


from the case of a Child I saw at the
hospital - & from a low & weak
pulse being found in an Aneurysm
left out bed. — 3 From the prevalence
of the Scurvy in cold countries, now
Scurvy is universally allowed to be a
disease of debility. It acts with most
force when combined with debility, moisture. —

The 11 The second ^{Source of direct debility} ~~cause~~ of prolix which
predispose to fever are the debilitating
passions of fear - grief - & despair &
the like. —

III a 3rd ^{of direct debility} Source is all exusive evac-
uations, whether of blood by the bowels -
- blood vessels - pores - or urinary passages.

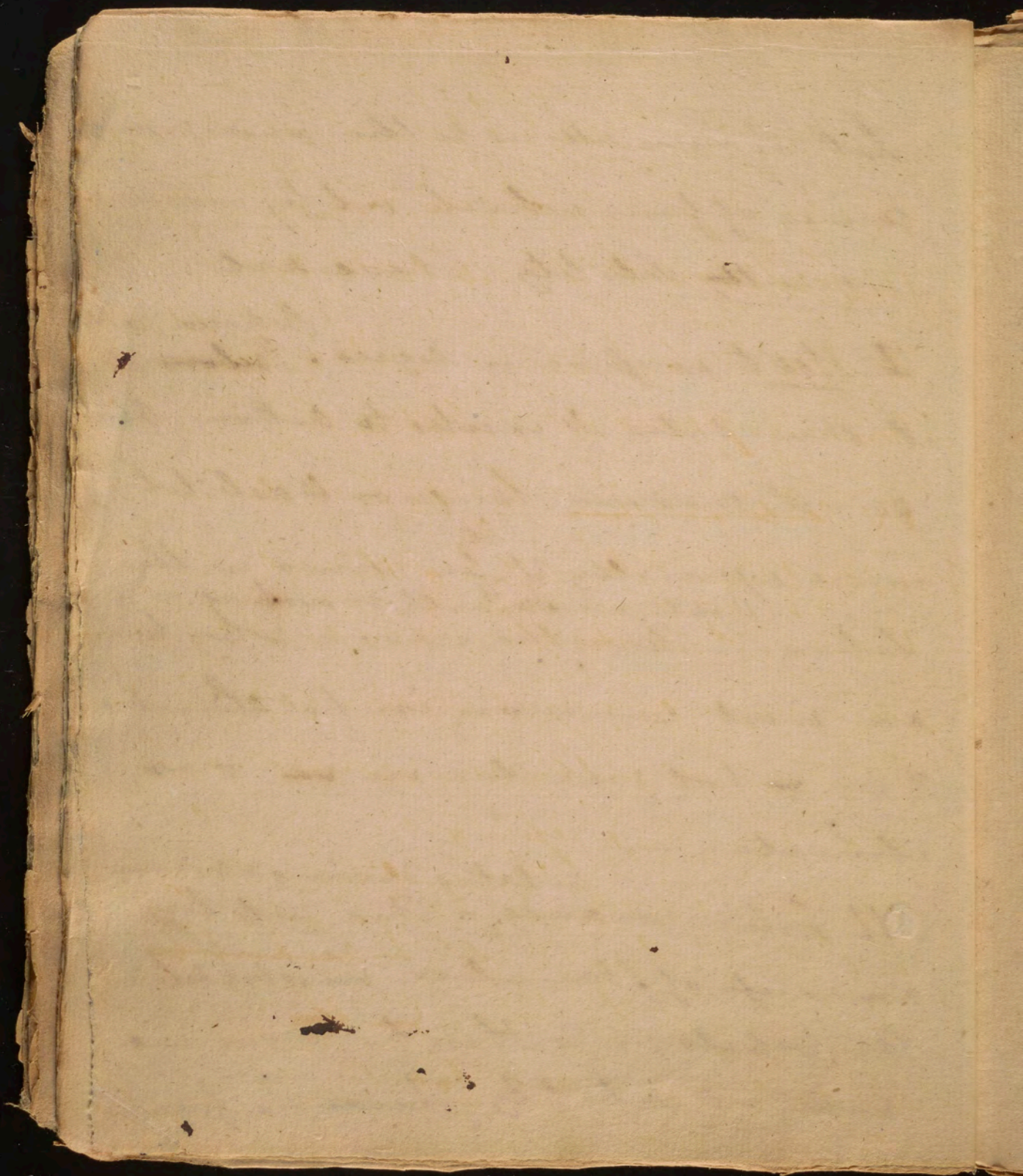
IV Famine or Abstinence from
usual food.



Let us now attend to the predisposing causes of fever which act by inducing indirectly debility. These are

I. Heat excessive in degree. ^{Between 70 & 80} Below 80 it stimulates & excites to action. Above 90 - it produces languor & debility, more especially if ^{it} be joined with labor. ^{& still more so} with moisture. - Hence the reason why fevers are most common in hot climates & in ~~so~~ hot weather in ~~us~~ our climate. —

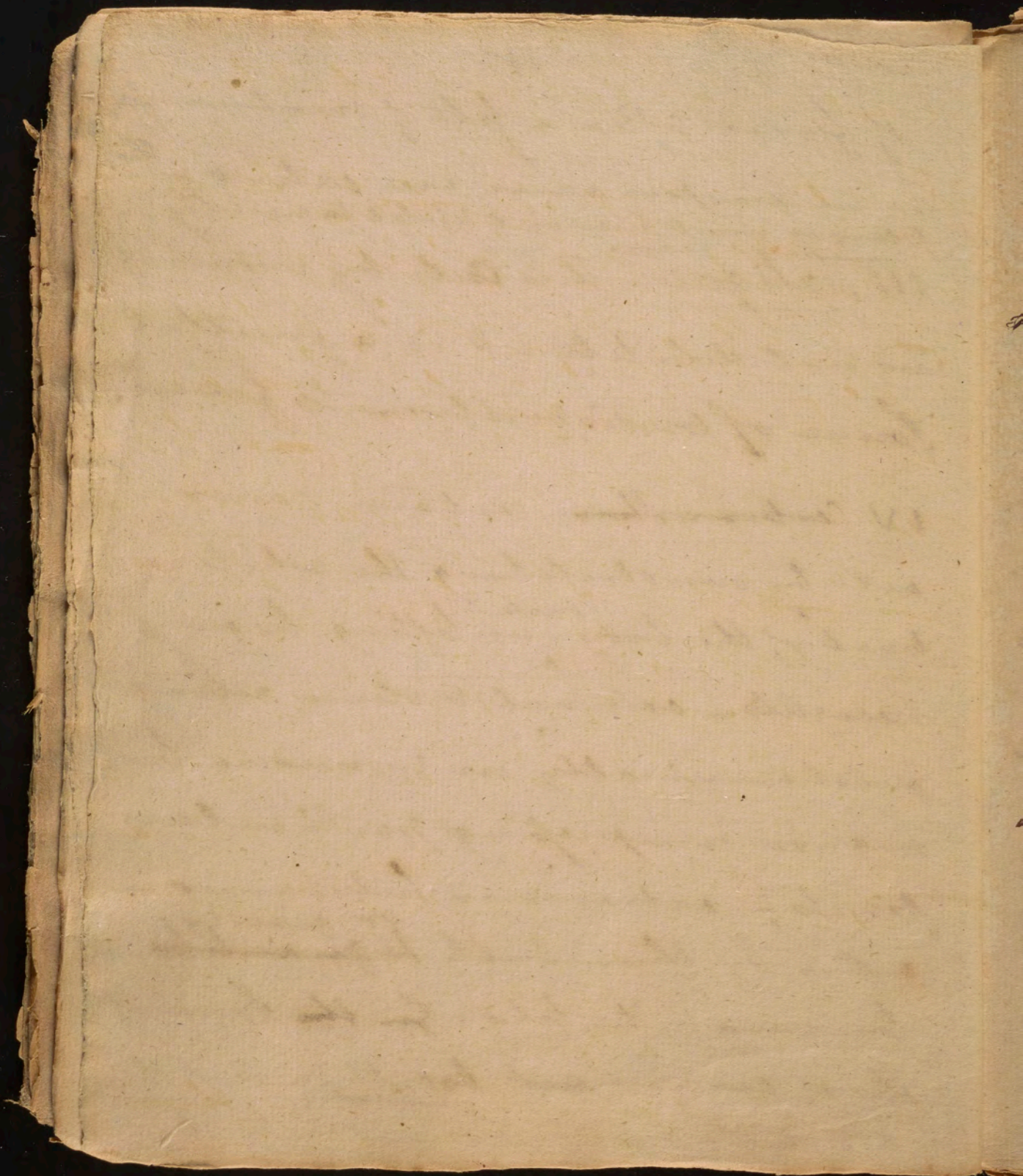
II Intemperance ^{in Eating Drinking & Venery.} - This acts by an excess of Stimulus overstraining the vessels, and thereby inducing indirect debility. Hence the frequency



of fevers after a fit of drunkenness
or in temperance in eating - the
plague most frequent & fatal to newly
married men.

III Fatigue - This acts by inducing
indirect debility - & is a fruitful
source of predisposition to fever.

IV ~~Causes~~ ^{ch} certain causes ^{act}
act by overstretching the whole or a
part of the body - as lifting heavy
weights - external violence acting
mechanically in wounding - crush-
ing - or compressing particular
parts - extraneous substances in-
acting by their bulk & ^{or gravity} ~~gravity~~
burning & the like. In the some of
these causes act locally - but they
affect the system secondarily by



10

existing in it indirect debility. &

There are causes ~~of~~ fever
which act without predisposition,
~~such as~~ small pox & measles - Influenza, &
- plague &c - but all these are
rendered more dangerous ~~by~~ by
the predisposition of fear - fatigue
and ~~or~~ other directly or indirectly
debilitating causes. —

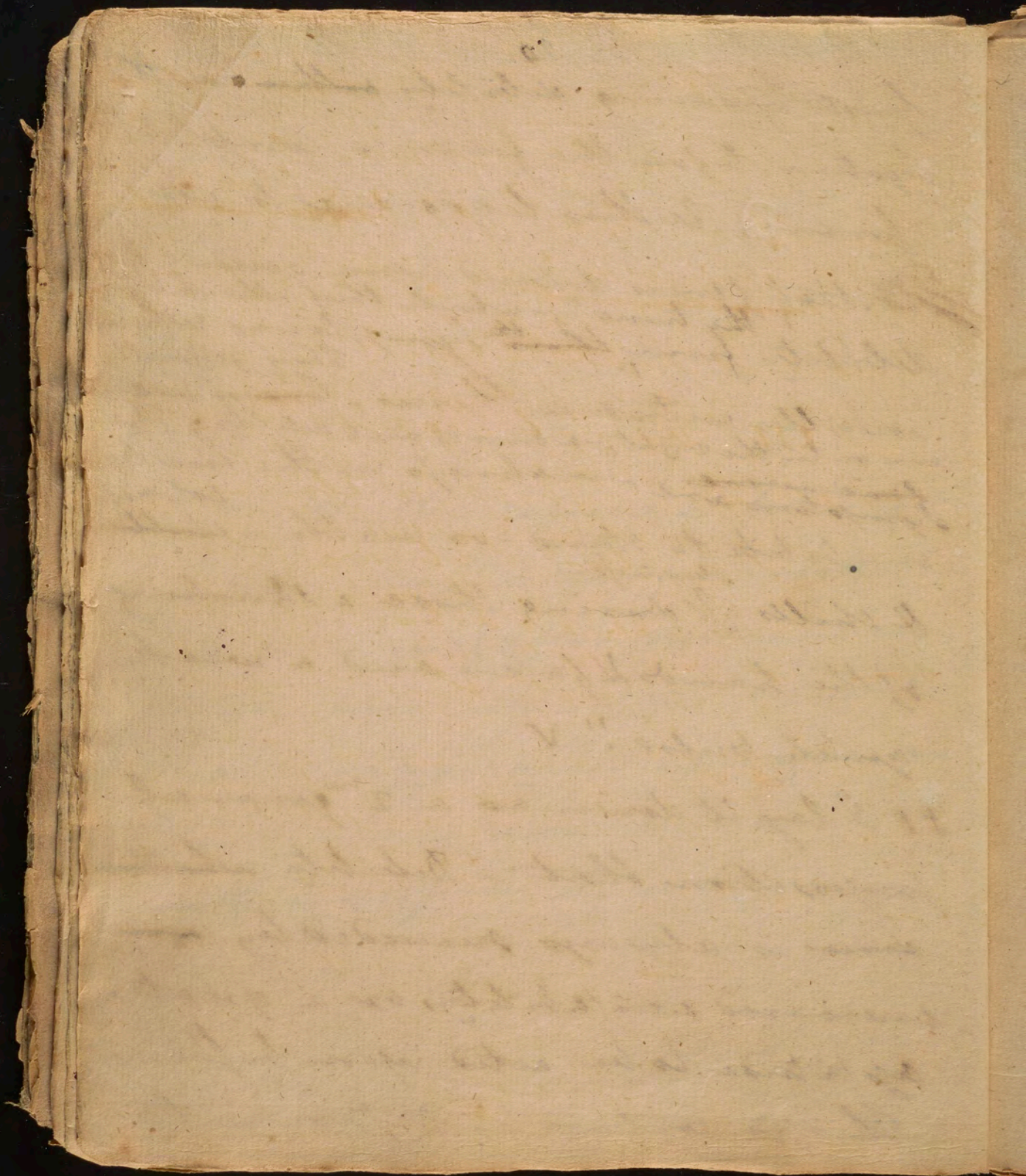
There are two kinds of fever viz
from miasmata & human
effluvia which are rendered more
or less certain & violent ^{in their operation} by being
more or less accompanied by the
predisposing causes that have
been mentioned. They ^{all} act by their

V All the causes of fever act
in proportion as they are combined.
E.g. cold - grief & fear act more cer-
tainly than either of them separately.
Heat - fatigue - & intemperance in
like manner when combined, act
with more force than alone. -

first inducing debility either in the system before the fever is completely formed - & this leads me to add

~~2nd~~ ^{2nd} that fevers depend upon general ~~ly~~ ^{ly} the time in which they attack & from debility from ~~the~~ ^{the} ~~lymph~~ ^{lymph} ~~toms~~ ^{toms} which usually introduce them. These ~~we~~ ^{we} come on in the night - a time of most debility. The ~~first~~ ^{first} ~~symptoms~~ ^{symptoms} are weakness in the limbs inability to stand - or walk - ~~chills~~ ^{stupor} & chills - & during these a shrinking of the hands & face - and a weak quick pulse." V

It I lay it down as a 2nd general proposition that - "Debility whether disease is always succeeded by ~~an~~ increased excitability, or a greater aptitude to be acted upon by stimuli." This is confined by Dr. Brown to



direct debility - but it extends to
indirect debility - especially if it
be bro't on suddenly, ^{in which case} ~~before~~ while
the ^{excitability} ~~excitability~~ is only suspended
but not exhausted. —

My 11th ^{2d} general proposition is
that the diminution or abstraction
of one stimulus is always followed
by an increased action of others. —
This I taught you in the lectures on animal life. —
Let us ^{now} apply these principles

to the production of fever by long exposure
to the cold - ? - its excitability is ^{thereby} ~~increased~~
- and the heat acts upon ^{it} with
increased force, - hence the frequency
of Pleurisies & other inflamm^y dis-
orders

~~The Abstraction of heat~~

^{ly}
Q²

✓ Has there been an Abstraction of heat by a sudden change in the Air, or by a cold night succeeding a warm day? - ~~or by leaving~~ a fever is frequently excited - this is obvious every Autumn in the bilious fevers of this city. The miasmata or contagion act with double force ^{during} ~~after~~ the debility induced by the cold.

in the Spring after a cold winter -
 & of bilious & remitting fevers in the
 autumn when warm days succeed
 to cold and damps nights. ~~The~~ These
 Plenary ~~the~~ Abundant ~~the~~
 Catarrhs ~~are~~ seldom felt for $\frac{1}{2}$ first
 time in the open air, but generally
 after the body has been previously
 exposed to the cold air, & afterwards
 to the heat of a warm room or a
 warm bed. — I have frequently
 observed Intermitents to acquire an
 inflamed type in our hospitals
 in Nov^r & Decem^r — probably from
 the stimulus of the heat of ^{the} our
 stove rooms upon bodies previously
 debilitated by cold & disease. ✓
 3^d Has been the body been debilitated

2

18

by fatigue? - Its excitement is
^{thereby} diminished, but its excitability is
 increased in a ratio so much above
 its excitement - that the stimulus
 of a full meal - or an intemperate
 glass of wine often induces a fever
 if taken immediately after it. —

Hence the frequency of fevers in
 persons upon their return from
 hunting, - surveying, - long rides,
 and from a military cam-
 -paign. — ^{A fever from the} The last ^{cause} was very com-
 -mon during the late war. A

hot supper, & afterwards the heat
 of a warm bed, sometimes induc-
 -ed not only fever but a convul-
 -sion off

✓ This connection of ~~excitable~~ excitability with debility has lately been pointed out by a French Physician. He calls it "*laxité vibratile*". - by which he means a liability in the system to be thrown into vibrations or motions by the predisposition of debility. There is nothing ~~new or~~ peculiar to animal matter, in this law of our system - we see it in many species of inanimate matter. They become mobile (if I ~~am~~ may be allowed the expression) in proportion to their tenacity.

A ~~piece of whale~~ ^{it} ~~this~~ we see every day in certain metals - and ~~also~~ all in whalebone & in some species of elastic wood which yield to impulse or impression, in proportion as their solidity (in answer to animal excitement)

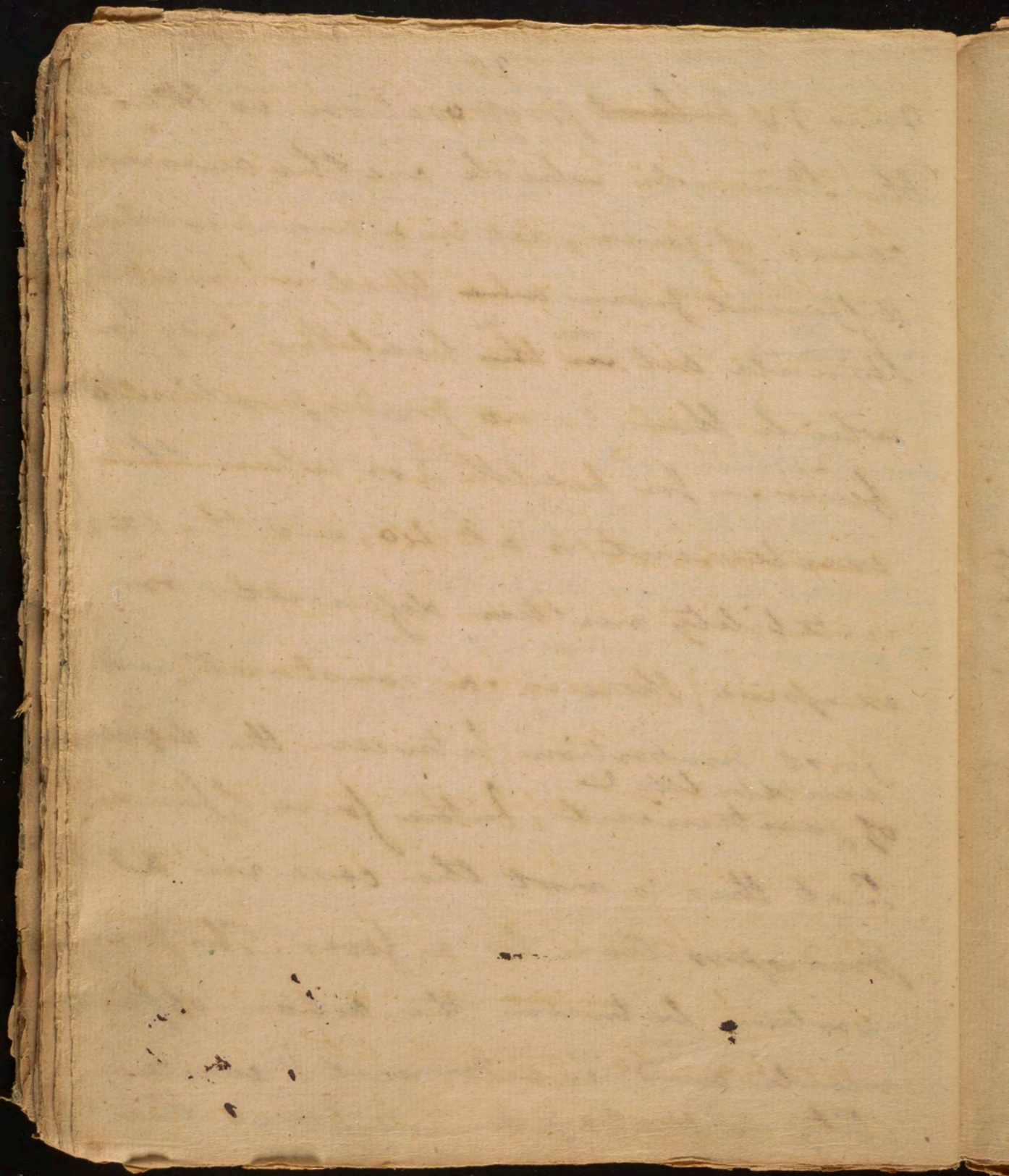
in the nervous system with it,
 in many persons the night after
 they returned from the coarse
 diet, ^{of the camp} ~~and heat~~, and from sleeping
 on the ground or on a floor. The
 convulsive fever was occasioned by
 the supper & the warmth — ^{but} the
 convulsion, ^{in the nervous system} by a too sudden ab-
 straction of Stimulus from the
 softness of a feather bed. —

I could go on, and show in
 like manner that fever in every
 case is bro't on by increased stimuli
 acting upon diminished excitement
 & increased excitability. ✓

~~is~~ ^{is} ~~not~~ or filed away by the hand of an
Artist, or worn away by time.

That this Vibrability or ^{disposition to motion} excitability in
Animal matter is the cause of fevers, is further
evident from ^{their} ~~its~~ occurring ^{It in these} chiefly in Infancy
~~Childhood~~ & Stages of life in ^{which} ~~it~~ ^{fevers} are
as most common - as in Infancy - Child-
-youth & middle life. Fevers are ^{less} common
in old age - for the Vibrability ^{as connected w.} of the Arterial
System in which I shall say presently, the
proximate cause of fever is seated, generally
declines in old people - It even lapses in the
Skin. 29:

My IV & last proposition is, that
 the stimuli which are the occasional
 cause of fever, act in a manner wholly
 different from ~~what~~ that in which
 stimuli act ^{on} ^a the healthy body in
 which there is no predisposition to
 fever. — In health [or when the
 excitement is at 40, and the ex-
 citability neither deficient, or
 excessive] there is a constant and
 just proportion between the degree
 of excitability & of excitement, & the force of stimuli.
 But this is not the case in a
 predisposition to a fever. The pro-
 portion between the action of the
 stimuli and excitement & excitabi-
 lity is destroyed — and hence the



former act upon the latter with
 a force that produces irregular
 action, or a species of convulsion
 in the system. — When the sys-
 tem is debilitated, ^{& its excitability increased by} with fear — Dark-
 -ness — or silence — a sudden noise
 occasions a ^{short} convulsion. ~~in the whole~~
 body. We awake in the manner in
 a convulsion after the accumula-
 -tion of our excitability by a night's
 sleep, from the sudden opening of a door,
 or from the fall of a few drops of
 water on the face. In short, it seems
 to be a law of the system that for
 stimulus ~~dispro~~ in an over pro-
 -portion to excitability, either pro-
 -duces convulsion — or goes so far

✓ It possesses irritability or stimulability
& of course muscular fibres, according to the
experiments of Mr. Bafshuizen - and according
to an observation of D^r. Boerhaave ^{who} saw it
inflamed - and even its coats black & stuffed
with blood in an ox ^{who had been} killed & skinned.
After being violently heated by running
away. The termination of the arteries in
the skin is demonstrated by the discharge
of arterial blood from a ^{small} puncture made
into it - hence they are so easily affected by
external stimuli especially cold & warm air.
see Dr. Haller on the structure of the

beyond it, as to destroy action altogether.

My V prop: is "that the stimuli which induce ^{the} irregular action or ^{of fever} convulsion act primarily on the languid & particularly on the arterial system. This system pervades every part of the body. It terminates on every part of its surface, ~~etc~~ in which I include lungs and alimentary canal as well as the skin. This action in the Arteries is excessive or deficient according to the force of the stimulating causes.

~~indeed~~ The excessive action is produced by unequal excitement. Hence we find the pulse ~~fast~~ ^{strong} & action of the heart & arteries

Artenio & being who speaks in three
places [p: 14 . 21 . 32 . Cullen's edition] in terms
directly to our purpose . -

My VI proposition is, that there
is but one fever in the world . However
~~strange it may seem~~ ^{yes -} I repeat it again .
- ~~There is~~ However different the predispo-
sing - Remote, & exciting causes of fever
may be - Whether heat ~~seem~~ direct
or indirect debility - whether miasm
or human miasmata, - or heat -
succeeding to cold - whether - a full meal,
or a fright - still I maintain that
Thus ^{fever is the same whether from brighting,}
there is but one fever in the world .
^{friction, perspiration, or ordinary fire . - of the Drifts}
I found this proposition ~~again~~ ^{repeated}
often upon their having only one
proximate cause . ~~It is important~~
to the multiplication ^{dissimination} of fevers was

is increased, while the Stomach-bowels
 and muscles exhibit marks of
 great continuance & even of an
 increase of debility. The remains of
 the excitement of the whole ^{body} system
 appear to be concentrated ^{as it were} in
 the arterial system. There we
 behold evidently ~~the~~ debility, and
 eruptions of excitement in different
 parts of the system. I shall ex-
 -plain the cause it hereafter in
 accounting for the symptoms of
 fever by the principles which I
 have delivered. In the mean while I
 shall now proceed to deliver the proximate cause
 of fever.)

done great mischief ^{in the world} ~~in medicine~~. It is
founded in ignorance. I have called
it the paganism of medicine. ~~say~~
~~of~~ neither
~~system~~ ~~has~~ ~~any~~ ~~relation~~ ~~nor~~ ~~to~~ ~~Colus~~,
neither ~~have~~ ~~any~~ ~~thing~~ ~~to~~ ~~do~~ ~~with~~
~~me~~ ~~Pluto~~ ~~nor~~ ~~Proserpine~~. It is an
~~my theory of system of fever~~.
Unit, and all the numerous names
which have been given to ~~the~~ ^{its} different
grades and states, I consider as modifica-
-tions only of one simple original
disease, seated originally in the ^{sanguiferous or} arterial
system. I shall proceed now to describe
this disease, or in other words to
mention the proximate cause of
~~be all the fever~~.

my VII proposition is ~~that~~ ~~and~~ which
follows from the two last is, that as
all fever is seated in the arterial
system, ~~and~~ ~~and~~ ~~it~~ follows of course
that ~~the~~ ~~all~~ those local diseases

Having proved that Debility is the predisposing
cause of all fevers, not excepting those of
the most ~~inflammatory~~ kind, I proceed next to
~~define~~ ^{deliver} the proximate cause of fevers.

This state to be ^{an} Irregular Action
in the Arterial System ^{accompanied with} ~~formal~~ ^{or} ~~excess~~ ^{or}
deficiency of the ^{force in the} ~~vital~~ ^{vital} ~~or~~ ^{moving} powers.

— Between the excess and deficiency of
Action in fevers there is a certain intermediate
state of Action compounded of both.

It is called partial excitement by Dr Hall.

The Artheric Inflammⁿ by Dr Brown & Hall
call it typhoid Action.

I have called the Action of the Arterial
System in fevers irregular to distinguish

in the world

which are connected with primary
fever, should be considered as its symp-
toms only, ^{and not as original dis-}
~~cases - - E.g: a pleurisy - an angina -~~
~~an hydrocephalus internus - an inflam.~~
~~of the liver - Stagnation of bowels - when con-~~

+ It is observable after the crisis of a fever
during convalescence.

~~connected with primary fever~~
~~connected with an original~~ are for all
except when ^{they} arise from local stimuli
nothing but symptoms of a morbid
state of the arterial system. This
view of ^{fever genl.} ~~febrile diseases~~ turns all
our old systems of physic upside
downwards. - It ^{involves in it,} ~~is as~~ requires as
great a breach of all ancient
apportionments of ideas in medicine, ^{to adapt it,} ~~as~~
as the principles of democracy
produce in minds accustomed to

it from that excess & deficiency of Action
which takes place after violent exercise
in the former, and after fatigue, or after
~~the~~ any debilitating power in the latter
instance. ^{& in} The Action of the Arteries here
is regular, and affords a very different
perception to the mind from that ^{ch} we
feel in the pulse of a patient labouring
under a fever. —

I repeat it again — that
~~in fevers~~ — this irregular action in the
arterial system in fevers, is ⁱⁿ other words
nothing but a convulsion in the Arteri-
al System. — It appears to be seated
in the muscular fibres of the Arteries.

That this is the case I infer from the

in the world

monarchy & aristocracy in Government.

Having delivered my preliminary propositions, I proceed next to inquire into the proximate cause of fever. — turn back to p. 29.

V I shall briefly enumerate ~~the~~ all the instances of ^{this} analogy between a fever, and a convulsion in the nervous system.

~~1~~ 1 Do convulsions depend upon previous debility? — So does ~~the~~ does a fever.

following considerations.

1 A Fever is preceded by Debility. Now debility always precedes convulsions. —

2 From the sensation excited by the pulsation of an Artery in a fever. It is accompanied with that jerking, which attends convulsions. —

3 From the great analogy between a fever and a convulsion in the nervous system. — V

2 Do tremors precede convulsions in the nervous system? and are they the first degree of them? So they are of fevers. & ~~Do~~ a coldness in the extremities

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the 2nd symptom of Convulsion in the
 Nervous System? - So ~~they are~~ ^{it is} of fevers.

4 Are Convulsions in the Nervous System
 attended with alternate action & remission,
 so they are in the ~~Nervous System~~ ^{fevers}.

5 Do Convulsions return of the Nervous
 System return at regular & irregular
 periods? - So do fevers. -

6 Do Convulsions in the Nerv: System
 under certain circumstances
 impair the functions of the Brain? So
 do fevers. -

7 Are Convulsions in the Nerv: System
 attended with ^{of irregular} excess & deficiency of regular
 action? - yes - they are [this I shall

(9) Are certain nervous diseases
particularly Convulsions followed by
immobility of the limbs⁺. Is there
one fever - This I have seen after
Typhus - & Dysentery & have heard
of it after the small pox. - It is in^{all}
~~the~~ hysterics a favourable sign. -

(10) Are there certain nervous diseases
which affect the limbs, without affecting the
functions of the brain such as Chorea - ^{tetanus} - &c.

+ Miss B Eyres' case.

part only of the

33

2+

from ~~hereafter to be case~~ the former ap-
pears in Hydrophobia, & ⁱⁿ the first stage of
Tetanus. The latter in Hypochondriasis &
Lynope. The same extremes appear in
fever - as in Rheumatism or Pleurisy,
& ⁱⁿ the typhus mitior. —

8 ^{are} there are intermediate degrees of
action in the convulsions of the Nervous
System. Yes - there are - They appear in
~~Epilepsy & Hysteria~~ - So there are in
fever. These intermediate degrees of
action in fever are ⁱⁿ the ^{typ? fever or} ~~typhus~~ of
fever of mixed action to be explained hereafter V
Dr. Cullen. ~~+~~

+ From all these facts & analogies I do
decide: irregular action on a
not ~~to~~ hesitate to admit convulsions in
the arterial system to be the proximate

So there are ~~of~~ fevers - particularly all
Hectics which seldom produce head ach,
or delirium, & frequently do not confine
a patient to his bed. —

11 Are convulsions most apt to occur
in Infancy? so are fevers.

12 Are persons once affected with nervous
convulsions apt to have them frequently
thru' life? — so are persons affected by
fevers - witness Intermittents, ^{which often} follow
thru' life - in all climates & seasons.

13 Are there local convulsions as of the
hand - foot - finger - eye lids &c —? So there
are local fevers - as in the intermitting fever
dub formae lenitate - Local Inflam^{2o} &c.

14 Is the Strength of the Nervous System
encreased by convulsions? so is the

cause of fevers. —

Nature is simple and frugal in all her operations. She never makes use of two instruments to accomplish that which she can effect by One. — Is the predisposing

cause of all general diseases is One, so is

the proximate cause. ^{go to p: 36 =} — [Nor is irregular

Action or convulsion confined to the agent of disorder in the Animal body alone. —

It extends thro' all nature. The natural moral, and political worlds every where exhibit marks of ^{it.} ~~irregular Action or Convulsion~~

~~irregular~~ ^{Deformity} Hurricanes - earthquakes - Vice - misery -

tyranny - and Slavery are all the effects of

^{They are} irregular action - ^{all} deviations from the Order which was imposed upon them

Strength of the Arterial system ^{certain} by fevers
& hence we justify bloodletting in some of
them - for this strength can be reduced fre-
quently in no other way. It exists, while
every other part of the body exhibits signs
of debility. —

15 Do convulsions go off gradually from
the nervous system? as in tetanus ~~from~~
Chorea Sancti Viti? — so they do, in certain
fevers. ^{from the Arterial System}

16 Do convulsions go off gradually from
the nervous system? so they do frequently,
from the Arterial System ^{in fevers} - by profuse
sweats ^{or hemorrhages} - frequently in a night - & some-
times in a single hour. —

17 Do we ~~see~~ ^{observe} certain convulsions to
continue constantly without impairing
the mental faculties, or without destroying
the power of walking &c [as in Bennett &

part only of the

29 35

the Universe, when it came first from
the hands of its creator. —

Let us next inquire what are the
existing causes of this irregular action
or convulsion in the arterial system.

To this I answer, that These causes are
either indirect, or direct Stimuli. —

The indirect Stimuli consist in the
Abstraction of impression. Silence, and
darkness ~~and this~~ excite motions in the
system only from the Absence of sound &
light.

I said formerly that there existed in
every animal body, excitement and ex-
-citability. ~~In the debility~~ They are fre-
quently changed into each other. ^{29:} In a
man apparently dead from drowning,

V. Hence exciting causes produce fever when there has been previous debility, which would have made no impression upon the system in its usual & natural state of excitement.

V. I have some doubt. I wish I could prove ^{that} there could be no fever without direct stimulus. - May not the ^{obstructing} ~~congestion~~ ^{in the} circulation produced in the extremities of the arteries by the debility of pens & grief become ^{obstructing} ~~congestion~~ ^{in the} & stimulate the system into irregular or febrile action? -

part only of the

24

the whole excitement of the system is converted into excitability. In the tonic mad-
ness, ^{nearly} the whole excitability of the system
is converted into excitement. In the delir-
ium which precedes fever there is a diminu-
tion of excitement, but there is with
it a proportionable increase of the ex-
citability of the system. V.

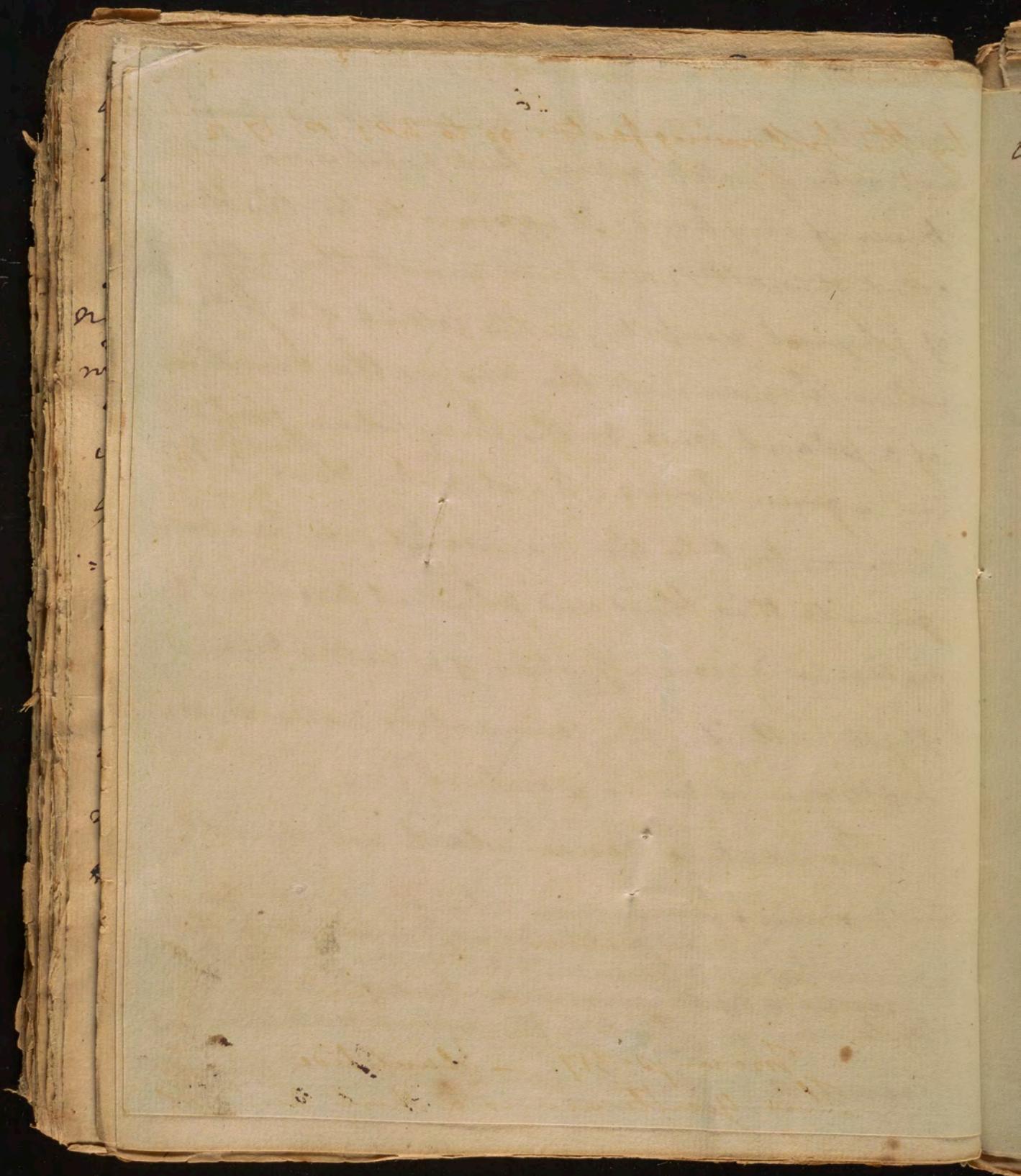
~~That the absence of stimulus; or that
debility alone will induce fever without
any direct stimulus, I infer from the effects
of fear - and grief upon the human body.
They both ^{appear to} produce fever without the interven-
tion of stimulus of any kind. ^{But} of this I V.~~

^{or principle}
This disposition in the system to
right itself, or to restore its equilibrium
has been ascribed by D^r Haller to the anima
medica, & by D^r Cullen to the vis naturæ

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Medicatrixes. - But this principle is devoid not only of intelligence, but possesses no healing power of any kind. It appears to be the blind effort of matter, and is as much the effect of physical necessity, as the falling of a stone when thrown into the air, or the direction of a plant towards the Sun when confined in a green house. I not only object ^{therefore} to the power, but to the names which has been given to this blind and physical Agency of Nature in diseases. ~~Instead of a better term I shall call it, the conservatrix nature, or the pres-~~
~~self preserving power of nature.~~ -

The existing causes which act directly in producing fever are chiefly heat - Spirituous ^{acid matter detained or formed in the} and fermented liquors - and external capillary Vapors - miasmata - contagions - Violence. - Heat is the principal existing cause of inflammatory fevers. This I prove



part only of the

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by the following facts. go to vol 1. p: 17 2

From p: 317. — blank side
This gentleman is a short acc^t: of

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my theory of fevers. - You will oblige me
by examining every part of it with the
utmost severity. If it be not well founded

the sooner it is ^{overthrown} the better,
but if it be ^{founded in reason & facts} I hope it will lead to more impli-

cacy in the cure of fevers that has ^{hitherto} been
proposed. ^{by many physicians} ^{but leave to} I shall only

add, that the ^{history} of the different kinds
or to speak more accurately, ^{of the different} Degrees of fever

and their method of cure which I shall
deliver hereafter will lead to many facts

which will tend to establish the proximate
cause ^{which} have been mentioned. This prin-

ciple of irregular action or convulsion in
the entire system was hinted at by D^r Cullen

under the term of reaction in one disease
only, but it is wholly denied or overthrown
by D^r Brown, & hence the principal defect

Col: Stones cases? So we do in fevers
as in the hectic consumptions. —

18 Do we observe certain nervous con-
vulsions to affect some parts of the nervous
system with more force than others, or in
other words do we observe marks of preter-
natural strength or excitement in
one part of the nervous system with attended
with marks of preternatural weakness or a
defect of excitement in other parts of the
same system? — So we do in the arterial
system in fevers. The pulse ^{in the wrists} is often tense
while the heart is weak, & acts with a
diminished force — There is ^{moreover} sometimes De-
lirium from too much force in the blood vessels
of the Brain, and a deficiency of force in ^{the} every
blood vessels arteries of every other parts of
the body. 19 Is there rigidity in ^{as in tetanus} nervous affections?
Something like it ^{occurs} in fevers where pulse is 160.
✓ In a word - Gent: as virtue consists in

19. Does debility
or an ~~external~~^a part only of the
nervous system produce general
convulsions - ^{as in tetanus?} 2. Does debility on the
whole
surface of the or on an ~~external~~^a part of
the body only of the arterial system,
produce general fever.

20. Does Palsy succeed convulsions? &
it does never - as in dissolved blood &c.

= In a few words - my ideas of
Inflammation may be reduced to a chain
consisting of four ~~or five~~ links. -

1 Debility predisposing debility, or weak-
ened excitement. 2 Increased Excitab-

3 Stimulating power, especially
heat & 4 irregular action or
convulsion in the arterial system. or

Harmony, ^{so} ~~the~~ health consists in Order, and
as Vice consists in the Absence of harmony,
so disease consists in a Want of Order - hence
it is frequently & very properly called Disorder
- Irregular ^{or convulsive} action whether ^{or}
whether it be seated in the Arteries - nerves -
Alimentary canal - or Brain - is nothing else
but the ~~Abstract~~ Abstraction of the natural
Order of motion. ^{go to p. 33. +} This idea might be extended
much further ~~and all the~~ so as to include
^{moral &} all the physical disorders of the ^{World.} Universe. It
^{all} is nothing but irregular - ^{or disordered motion,} ~~convulsive action~~
for Order was the first law of heaven, and
of course the first state of the Universe. ^{go back to p. 33. +}

Let us next inquire, how far the principles I have delivered will accord with the symptoms of fever. and
 I shall speak of fever generally as
 or ^{states}
 of particular species of fever.

In all fevers there is more or less pain in the head - breast & joints. This arises from the unequal distribution of blood - from the irregular or convulsive action of the heart & Arteries.

Thirst arises from an abstraction of blood from the fources - hence a diminution of secretion and excretion, ⁱⁿ ~~in~~ the throat & of a course an Atrophy of the vessels ~~relax~~ of the throat - that Thirst is

v Constriction by a destruction
of blood and action, from the
bowels. —

induced ^{morbid} excitement
some by ~~poison~~ ^{opium} & infer from its
being cured ~~by~~ Sleep - both of which
either directly or indirectly
restore ~~the~~ excitement.

The white, ^{& dry} tongue, by the Obstruction
of the usual secretion on ^{are occasioned} the organ.

a vomiting - & Dysentery are often
brought on by a preternatural determi-
nation of blood to the Stomach and
bowels - hence they are both so often
relieved by sweats & blisters. ✓

The dry skin & partial sweats both
depend upon unequal action of the
vessels which terminate on ^{the} Surface
of the body.

The high coloured and pale Urine
on the excessive or deficient action

V Exquisite Sensib^l to light & sound on
exquisite excitement. —

39 Its scanty, or increased quan-
of the arteries of the kidneys; ^{=tiny or} of too
little ^{much} or too little blood being sent to them.

The increased heat shall be explained
hereafter. ^{also partial} ~~of~~ heat and cold.

~~In short every thing that~~

Delirium - on too much, or too
little action in the vessels of ^{the} brain.

In a word - every phenomenon of fever
shows irregular action or convulsion in
the arterial system - and in conse-
=quence of it, an unequal distribution
of the blood to every part of the body.

~~Let us next attend~~

~~to the symptoms of inflamed fever.~~

But what is the cause of the chilly
fitt & spasm on the surface of the
body which introduce a fever? They
both appear to be accidental con-
=comitants of

or
n
V a chilliness seems ^{equally to attend} ~~to be inseparable~~
~~from~~ indirect, and direct debility. Hence
it attends the beginning, & end of fevers.
It occurs even without fever when
the system is indirectly debilitated,
by fatigue or by contagion. I
shall hereafter ^{mention} many other particulars
in which the symptoms of ⁱⁿ direct
& indirect debility meet in a point.

fever.

debility. The chilly fitt is generally the first ~~system~~ symptom of Action in fever. — hence Dr Lind remarks that where Death occurs in the fitt of an intermittent there is no chill. Where death occurs in the hot fitt it is from excess of Action. — It is remarkable that the chilly fitt seldom appears in its full force, till the patient approaches a fire, or lies down in a warm bed, for in these situations the Action of the ^{arterial system} ~~body~~ is ~~best~~ promoted by heat. The Chilly fitts Spasm on the vessels which terminate on the surface of the body, is occasioned by the reap of the blood from the capillary Arteries;

have been
✓ Fevers are ~~properly~~ divided into continual.
- Remitting. They have been further divided
into Inflam^d. - Bilious - putrid - ^{nervous or} ~~and now~~

Typhoid, and typhus. ^{Considering how} Perhaps it would
much mischief have been done by the mechanical
~~be more proper to call these designate them~~
Attachment of Physicians to these names, I shall gangrenous
~~by the names of the~~ ^{call them} Inflam^d Bilious - putrid

Typhoid - and typhus states of fever - ^{considering} ~~for~~

~~now~~ ^{for we} seldom we find them in a simple state.

- ~~And~~ Instances are not wanting of our find
meeting with all these different states or Con-
ditions of the system in the same fever. Here

Genl. let me arrest your Attention to an
important principle, ~~is every system of Physic~~
that is - to know no disease by its name - Before
you prescribe for it - make it shew its face - or

in other words - find out the exact State or Con-
dition of that ^{part of the} system ^{in wh^{ch} the disease is seated} as to excitement, and
excitability ⁱⁿ ~~on which the disease is seated.~~

and hence they contract mechanically like any other soft tubes which are emptied of their contents. It ^{is} ~~was~~ no more a proximate cause of fever than the thirst - asthenia - or high coloured urine which usually attend fever. The weak pulse during the chilly fit - by the spasms & the reflux of the blood inwards. act as next attend to

to the symptoms of particular species ^{or states} of fever, & examine how far they agree with our proximate cause. ✓ Synocha ^{state}

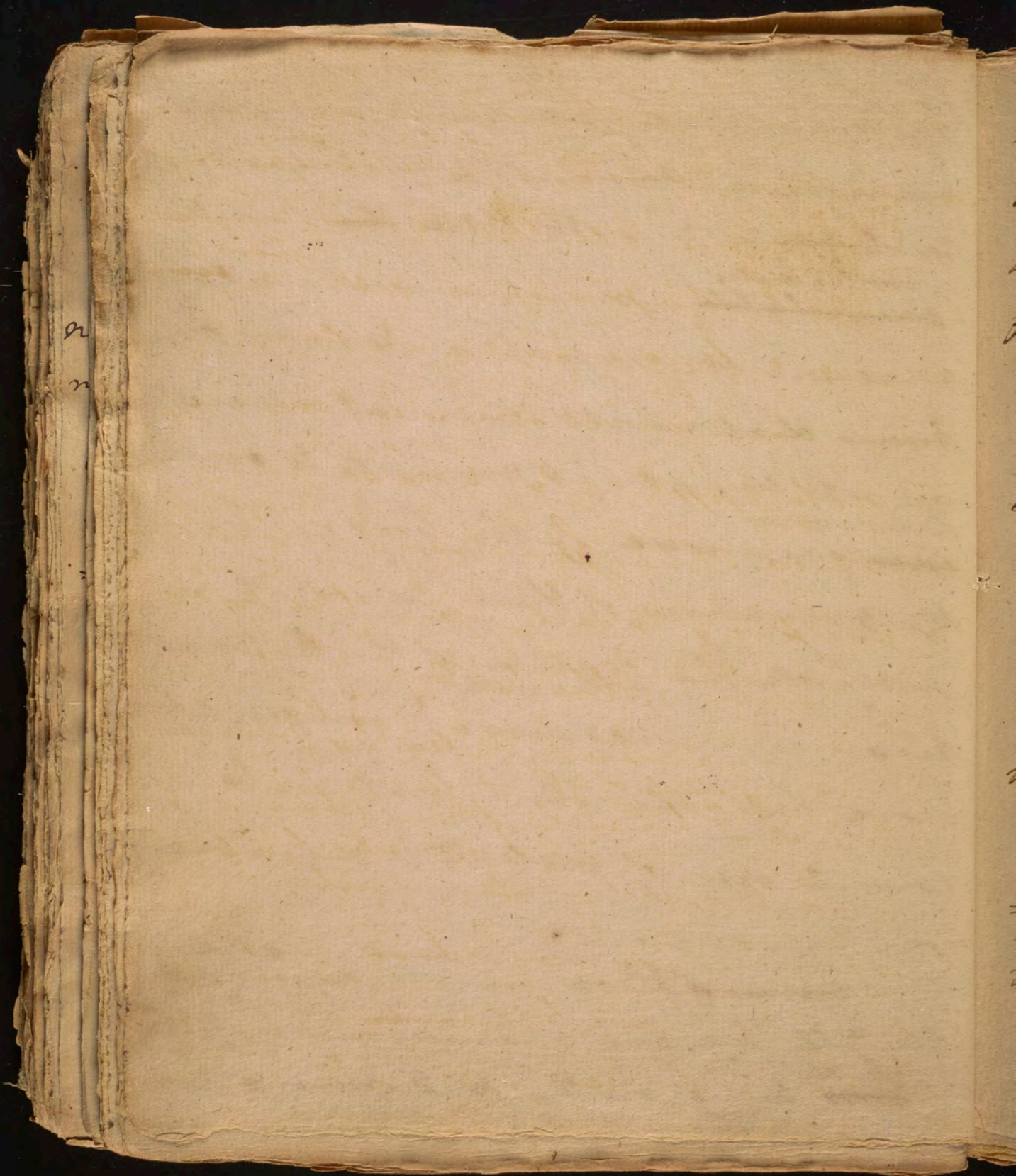
1, of Inflamm: fever. In this ^{condition} ~~form~~ of the arterial system there is an excess of irregular action. This is the Arterial system. To this the

depends upon the ^{remote} predisposing causes of inflamm^y fever - all of which tend to impart vigor to that part of the

for some other ^{acts} other occasions
which

system. These are plentiful and
 nourishing Aliment & violent exercise
 or labor - To both these, ~~the~~ Cold Air
^{contributes,}
~~stimulates,~~ - for when moderate, it
 increases the appetite, - & every one
 knows that in all its usual degrees
 in cold climates, it prompts to constant
 labor or
~~exer~~ exercise of the body. - From
 the operation of these causes, it is
 probable the texture of the Arteries
 becomes more dense & compact, &
 more capable when br't into a
 convulsion of violent & drusable
 excitement. -

~~These~~ ^{seldom} These remote causes act
 until they are accompanied by fatigue,
^{which}
~~this~~ brings on the predisposing debility.



but this ^{is} not sufficient of itself to bring
 on Inflam^{tion} & fever — for in Russia &
 Sweden where all the remote ^{causes} and
 frequently, the predisposing cause ^{operate} ~~are~~
 during a long winter, influenza:
 fevers are unknown. The same
 remark applies to Canada in North
 America. The stimulus of heat
 is necessary to act upon the ex-
 citability of the system which
 has been accumulated by previous ^{the} ~~the~~
^{stating effects of cold —}
 debility — hence inflam^{atory} fevers oc-
 cur in those countries ^{very rarely & that} only in
 the spring. They occur here more
 frequently here, but only chiefly
 in variable less winters & springs

✓ Besides the ^{of infant fever} causes which have
been enumerated - it is often produced
by certain contagions, acting as
stimuli upon the arterial system.

- But even these contagions are
greatly influenced by the heat-cold
fatigue - & quality & quantity of
Aliment formerly mentioned.

when the body is frequently exposed
to the stimulus of heat, after its
excitability has been encreased by
the ^{debilitat^g effects of} action of cold. ✓

So far the remote & predisposing
causes of ^{the} inflammation ^{state of} fever helps us
to account for excess of action;
But we often find ~~this excessive~~ ^{that have not been}
fever in habits ^{remote} ~~not~~ exposed to
~~these same~~ causes which have been
mentioned, - as in women of debilitated
habits - in consumptive patients -
- and in persons who have been de-
-bilitated by a long continuance
of ^{or other causes of direct debility} intermitting fever. - The
excitability in these systems is

Phlegmon.

such as pneumonia, Rheumatism,
V The local inflammations, which
occur in some ~~dis~~ general fevers, &
which I said formerly are nothing
but symptoms of a disease in the
blood vessels, are occasioned 1 by local
debility in the part affected - 2 by
increased excitability in the part, in
consequence of this debility, 3 by increased
~~and~~ morbid excitement induced in the
part, by the stimulus of distension from
the blood, and by an effusion of serum
or
& red globules into the weakened, & afterward
inflamed part. Here you see I admit
the error loci of Dr Boerhaave in account-
ing for local inflamⁿ. - By ^{combining} ~~admitting~~ this
principle with predisposing debility & morbid

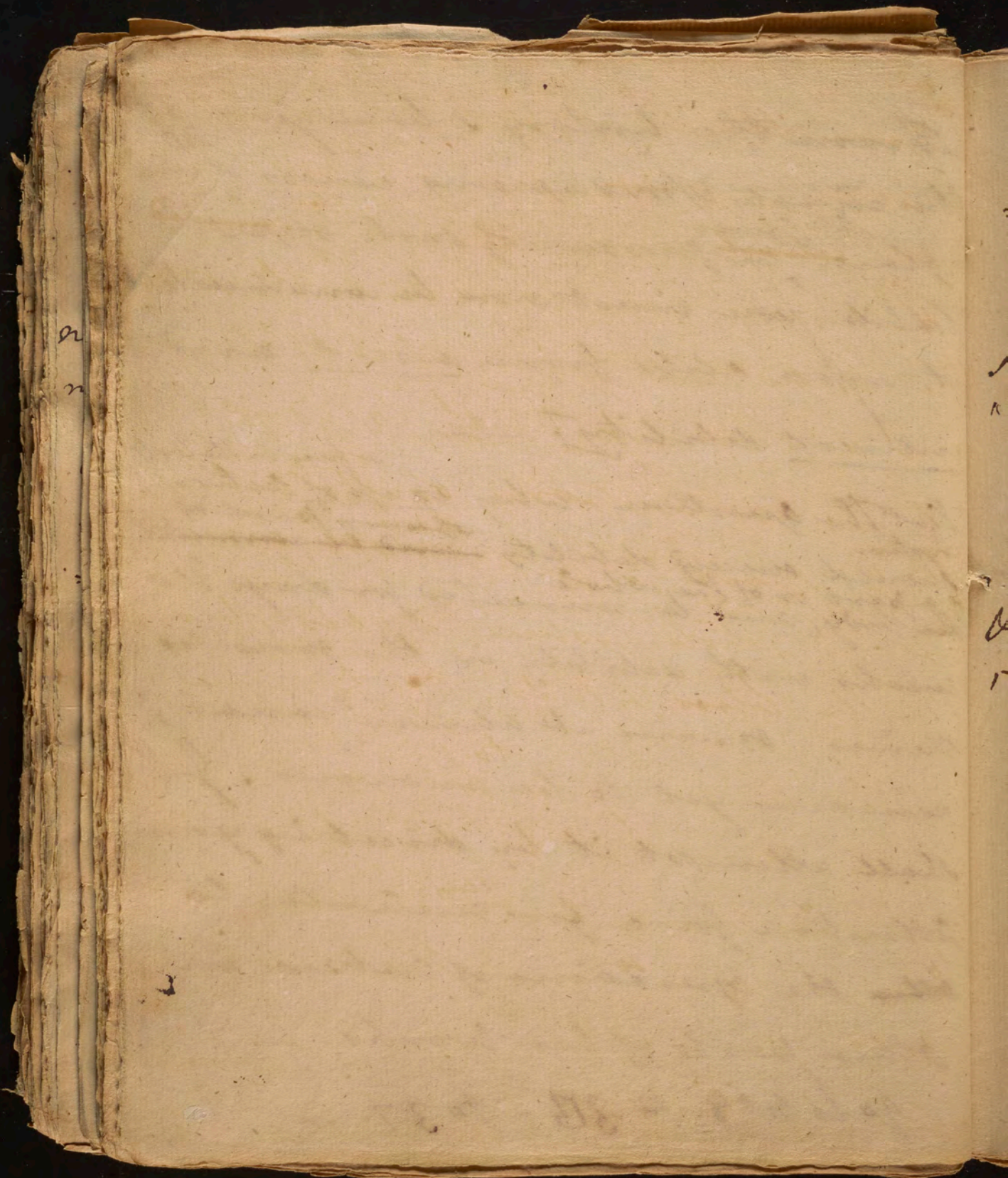
~~produced by~~ always great in proportion
 as excitement is small - hence they
 are more easily affected by the debili-
 -tating effects of Cold, & the stimulating
 effects of ^{heat.} ~~Cold.~~ - It is remarkable
 that the inflam^{action} ~~dialthesis~~ in these
 habits is less acute & violent than
 in persons of more robust habits.
 - But it is sometimes more Obsti-
mate - hence this they bear less
copious - they require more frequent
 bleedings, or a longer continuance of
 other sedative or debilitating remedies
 than persons of robust habits who
 have fed plentifully & used great
 exercise in cold weather. V

excitement, the secret of its flame² is
laid open, and made as plain, as any
of the most simple operations of nature.

From the history I have given of
the remote & predisposing causes of in-
flam^{tion of lungs} in persons of such opposite
habits, you must now be convinced that
it arises either from direct, and
indirect debility. —

But the question - why ^{or force in the art} excess of action
^{system} should occasion debility ~~and be connected~~
^{of a part or of the whole} ~~the body~~, and be connected for days & ^{or force in the art}
weeks with debility in the muscles -
nerves - Brain - & aliment^{ary} canal,
remains yet to be answered. I
shall attempt it by directing your
attention for a few minutes to
~~other~~ the operations of nature in
other parts of her works. —

Go to no 8. p: 313 - to 317. —



facts & 27
From the analogies I have men-
tioned, it is ~~not~~ evident ^{of} ~~exclusive~~ ⁱⁿ
and ~~convulsive~~ convulsive action ~~succeeded~~
the arteries succeeded by general, or
^{still} connected with partial debility, is
no deviation from the general
laws & operations of nature.

- In short - ^{I repeat it again -} I consider the excitement
& excitability
of the whole system as absorbed
by the blood vessels, and hence we
find the inability to perform any
of the natural functions of the
body to be universally, in proportion
to the degrees ~~to~~ of excess in the
action of the arterial system. I
except here the case where an

V I consider the cure of a fever
whether by nature or art, as pro:
-thing but the restoration of the
excitement and excitability of
the system to an equilibrium
or an equable diffusion of blood
to every part of the body.

inflamm^d fever produces a strong
delirium. Here the nervous system
is affected, and a new disease viz
paradeys from fever is bro't on.
But of this - hereafter. ✓

In this explanation of the cause
of excess of action in inflamm^d fevers,
you see the Absurdity & danger of Dr
Brown's opinion, that excitement is
uniform in all diseases. A Disease
is the reverse of this, - it consists in
most cases of divided excitement.
of this I shall give you many proofs
in our lectures especially on Pathol-
ogy. ~~my system is~~ that ~~state of~~

But what shall we say of these
inflamm^d fevers in which there occurs

✓ The same thing occurs in the
plague & in several other con-
-tagious Diseases. It occurred in
many cases in the yellow fever both
last, & this year in this City. Sometimes
the pulse is subject to preternaturally
slow & intermitting. I ^{explain these} ~~answer these~~
^{phenomena} ~~questions~~ by remarking that the ^{weak} states of the
low ~~pulse~~ slow & intermitting pulse
are all occasioned by the immense

no excess of action? / Dr Fuller
~~describes~~ ^{calls} them chronic, and Dr
Michaelis calls them slow inflammations.
Dr Guier of Jamaica in
has described ^{it} ~~them~~ very accurately
in a species of Plurisy which often
occurs among the negroes in ^{low} that
Island. He says the pulse is so weak
as ~~not~~ to be scarcely perceptible.
If ^{it} ~~there is~~ no heat attends it.
~~I answer that~~
In the former case I suppose the
inflammⁿ to be local, & that the whole
system is not brought into sympathy
with it. In the latter case related by
Dr Guier I suppose the ^{in the case of contagious} ~~infectious~~ pain
to be so intense as to induce indirect
^{contagion to be so great,} debility - hence the ~~want~~ ^{absence} of heat,

force of the stimulus of pain; on
contagion acting upon the
~~heart~~, and ~~brain~~ & heart. That
this is the case, I infer ~~th~~ from
there being ~~is~~ instantly removed
in many cases by the abstraction
of stimuli - particularly by
purging & bleeding. - I wish for
a name to distinguish ~~this~~ that
^{malignant} state of inflam^d fever in which this
depressed pulse occurs, from the
Synocha pulse which is common
in Rheumatism & Pleurisy. - I
have called it in my Art² of the yellow
fever - "a sulky pulse"! one of my
pupils called it this year more pro-
-perly "a locked pulse"! -

1 The languor of the pulse. I have
seen ^{& contagious diseases} Pleurisy, with the same
symptoms - & have found with Dr.
Genie the heat & pulse rise by V.S.
- It acted by abstracting ^{those} the excessive
degrees of stimulus which produced the
indirect debility. I shall hereafter men-
tion other instances of the abstraction
of excess of stimulus, producing action
in the system. ^{commonly called}

2 In the bilious fever, ^{or in that state of febrile action in which bile is discharging} and in all other
fevers (~~not inflamm.~~ ^{or yellow}) attended with ex-
cess of action - the same principles
which have been mentioned will
explain the cause of ^{the} their excessive
action which takes place
in the arterial system. The stimulus

✓ ~~some~~ ^{seldom} of these fevers are of
long duration from their not
being having been produced by the
strong exciting powers which produce
the ^{common} ^{states of} inflammⁿ fever. — ~~The~~ I hope to
show hereafter that the discharge of
bile, & the occasional inflammⁿ of
the liver which take place in the
bilious fever are produced by a specific
determination to ~~the liver~~ of the miasm¹⁰
miasmata to the Liver. — go on — to 3:

in those fevers is no different from
inflamm^y. ~~it is frequently~~ ^{from} much ~~as~~
~~business~~ effluvia - or specific contagion,
generated from it.
Where these fevers occur with typhs =
= terms of deficiency of action in the
arterial system, - it is owing to long
continued ~~renew~~ predisposing ~~of~~ ^{exciting} ~~renewed~~
causes bringing on a deficiency of ex-
= wasting the excitability of the system,
or to the force of stimuli bringing
on indirect debility. ~~to~~ Sometimes
the force of these stimuli is so great
as to induce not only indirect debi-
= lity, but instant death by sudden
= by destroying the excitement of the
system. ^v

~~& In the Synopsis of D. Haller there~~

V³^{ly} ~~What~~ what is the state of the
arterial system in what ~~Dr Callan calls~~
~~the typhoid condition~~ what is commonly
called a putrid fever? I answer that
~~in most cases~~ no putrefaction can take
place in the blood in the living state, & y:
the symptoms which are
~~what is supposed~~ supposed to be the effects of
putrefaction are the effects of sudden
- violent - & rapid inflammatory action
in the arterial system - sending &
tossing ^{the blood vessels} ~~these~~ insensate instances into
every part of the body. This idea I borrow
from Dr Sydenham, who justly ascribes
hemorrhages in putrid fevers to a weakness
& rupture of the vessels & not to a putrid disposition
of the blood - for they often happen where the
blood is dense & even ^{what is called} ~~silly~~. A putrid fever
there is only ^{the} highest possible degree of inflam-
mation. The symptoms of weakness & languor &c
are all the effects of indirect debility, & only
induced on the system ~~of the vessels is putrefaction~~

~~cause of irregular ^{inflamm.} action in the begin-
 ning & deficiency in its close. The
 reduction ^{of} the excessive action is effected
 either by medicine, or by a waste of
 excitement from the continuance of
 action.~~

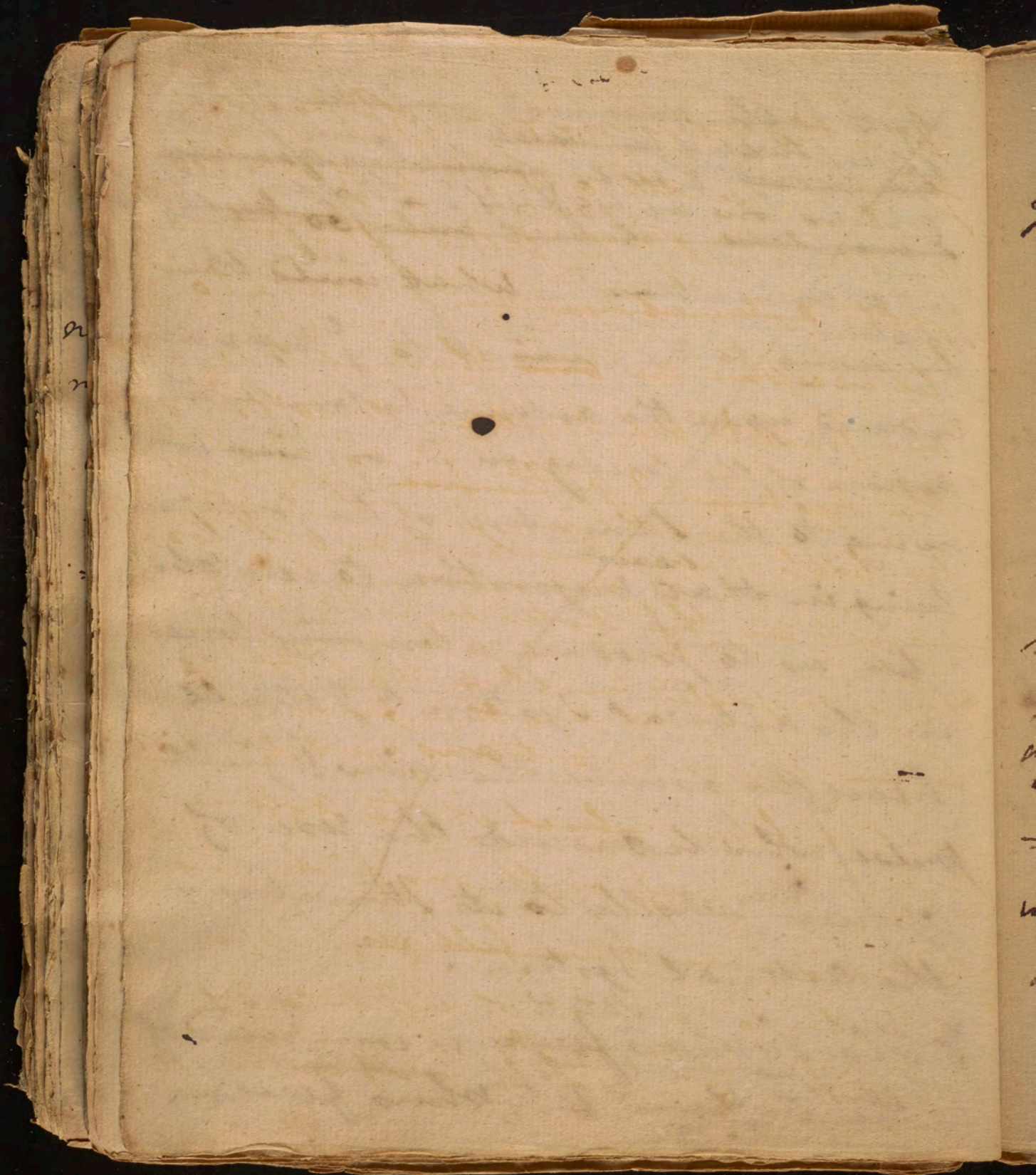
~~& In the Typhus ^{State of fever} there is general
 deficiency of action ^{in the arterial system.} But it is still
 irregular ^{or convulsive.} It sometimes an
 original disease, - but it more
 frequently succeeds ^{the} inflammation on
 bilious ^{States of} fevers. When it succeeds
^{The pulse in this state of fever is weak & quick.}
 the former, it is called Typhus mitis
 by ~~Dr. Keen~~ - the latter Typhus gra-
 - vis by Dr. Cullen. - The pulse
 in both cases ~~is generally weak~~
^{quick} ~~& weak~~ ^{quick} but I have seen felt it~~

+ Dr. Stubble ~~also~~ in the philosophy Transactions
describes a putrid fever ~~also~~ in the West Indies
attended with the same symptoms. It is likewise
taken notice of by Desgasche in his history of the
Plague - by Sorbait in his Hist. of the plague of
the malign^t sore throat - & by Boate's description of the
Irish plague in his nat^l history of Ireland. They all consider
this slow pulse ~~as~~ very improperly as a mark of the ab-
sence of fever.

✓ It seems to answer to the rigidity which
we sometimes observe after spasmodic
affections in a part or the whole of
the nervous system - In these cases the
irregular motions in the muscular fibres are
perfectly natural. suspended by the
equal action of antagonist muscles.

more 53 than natural
but little quickened in ~~both~~ & in
~~some~~ ~~place~~ ~~of~~ ~~the~~ ~~most~~ I have found
~~the~~ ~~worse~~ ~~Cases~~ ~~of~~ ~~Typhoid~~ ~~fever~~
it as low as 48 & 44. ~~Strokes~~
~~I~~ ~~was~~ ~~even~~ ~~it~~ ~~beat~~ ~~only~~ ~~60~~ ~~times~~
in a minute. + What ^{could} this
symptom
be owing to? - was it to $\frac{1}{4}$ torpor
induced upon the arterial system by the
action of the contagion? or ^{is} ~~was~~ it
owing to the stimulus of the contagion
being in that ^{exact} proportion to excitabi-
lity as to produce a temporary tone
in the arterial system? I shall
hereafter ascribe the slow & full
pulse which succeeds the rise of
opium wholly to its stimulus on
the arterial system. ✓

* The ^{State of} Typhoid fever is composed of
the inflam^{State of} & typhoid fever.



It is the nervous fever of Dr Huxham.
 It is evidently a disease of divided
 excitement. The muscular fibres
 of the ~~arterial system~~ ^{arteries} appear to
 be excessive in ~~one~~ their action in
 one part & deficient in another of
 the system. E.g. ~~there~~ There is often
 too little action in the heart, & too
 much in the Arteries - But I
 have suspected further that there
 are ^{in this fever} opposite actions in the mus-
 -cular fibres which of the Arteries
 which we press with our fingers. I
 think I have often felt for supposing
 a pulse to consist of eight cords, I
 think I have ^{frequently} felt half or more

~~This species of fever~~ ^{It} derives its
name from the nervous system &
brain being more or less affected in
it - hence delirium - tremors - con-
vulsions & even mania (called Typho-
mania by Dr. Cullen) in its last stage.
- Its last stage is generally Typhus.
^{it changes into simple typhus}
~~This species of fever~~ often occurs about
the 15th day. -

~~78~~

or less of their tense, according as
the fever partake more or less of
the inflam^d: or typhus action. —
~~but~~ I think this pulse is the cha-
-racteristic of the puerperal fever —
The scarlatina — and of ^e hectic fever.

This ^{state} species of fever is the most difficult
of cure of any that have been men-
-tioned. — Return to p: 8. n^o 6.

^{state of}
§ The Intermittent fever is a disease
of ⁱⁿ which remote & predisposing
causes evidently produce debility.

— The action which occurs in it is
generally excessive — hence Bark is so
hurtful when given during the
fit. It differs from all other

⁴
~~8~~ 9^{ly}: There is the febricula & the lentic fever.
In both these - patients are able to walk
about. In these cases, the disease affects
the arterial system only with convulsion,
without bringing, the brain - nervous - or
muscular system, or the alimentary canal
into sympathy. ^{these febriculae} - 10^{ly} complication of fevers.
~~8~~ 9^{ly} ~~lastly~~ There are fevers which in
the beginning are typhus - typhoid
& even intermittents, which in the

course of 3 - 5 - 7 - 10 or even 15
days assume an inflamm^y type -
How shall we explain this? Why
from some new stimulus - such as
~~too~~ a full meal - heating drinks -
stimulating med: as Bark - or land on -
~~too~~ improper exercise - heat succeeding
cold - or some internal congestion being
added to the system. ~~8~~ go up to + 9^{ly}?
Fever of all kinds, tend to

fevers in a ~~spring~~ ^{is} being of a short duration. Its recurrence is said to be ~~is~~ ^{is} occasioned not only by miasmata - but cold, - hence its recurrence in the spring when there is no exhalation. The return of the paroxysms is said to be occasioned ^{shall} by the recurrence of debility. - ~~I would~~ ^{hereafter} would rather ~~ascribe it to~~ ^{ascribe it to} ~~apoplexy~~ ^{apoplexy}. This is of two kinds. viz: ideas & emotions. The return of intermittents seems to be occasioned by the apoplexias of emotions. - more of this hereafter. ^V all ~~fevers~~ ^{fevers} intermittents.

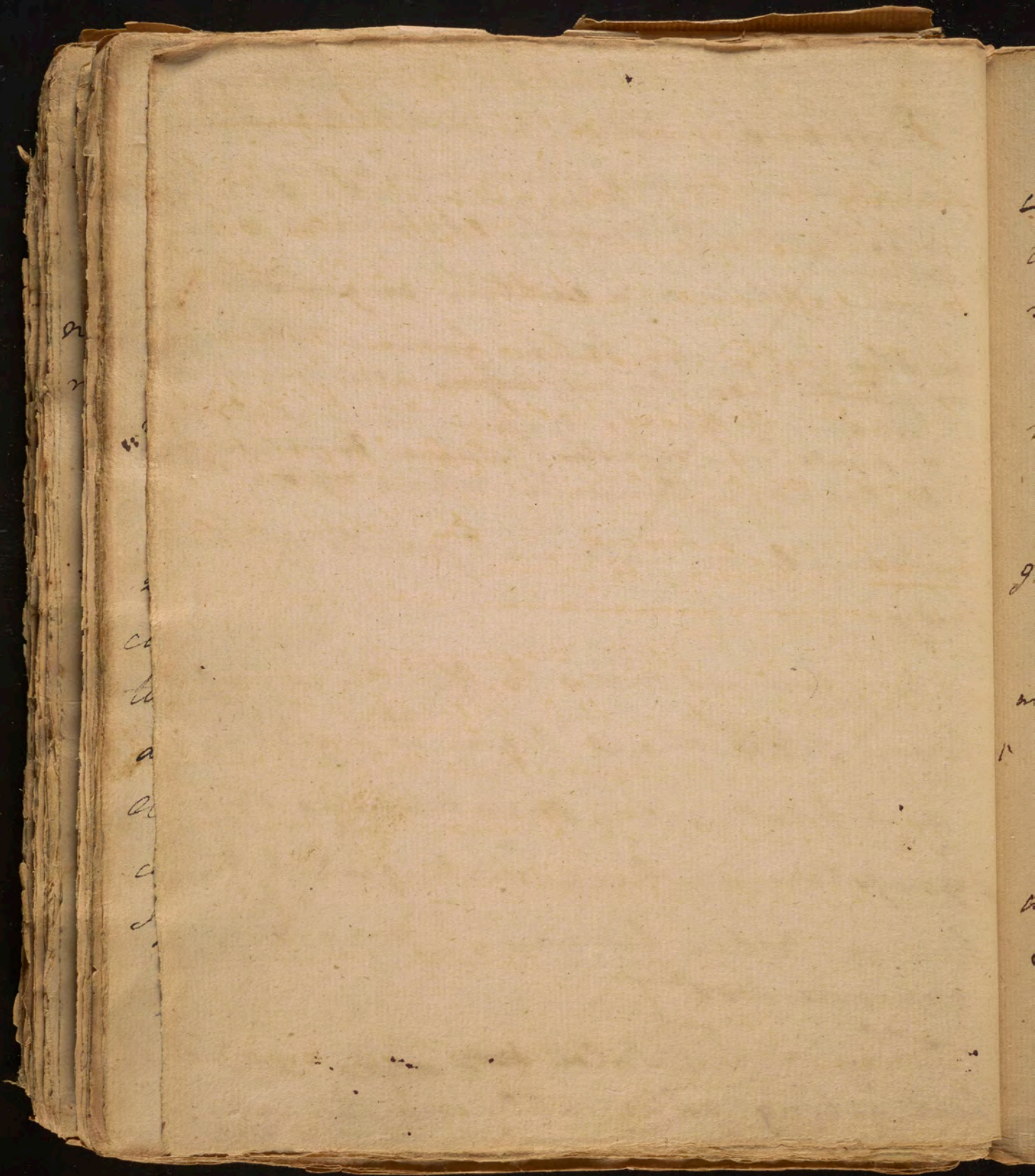
I should now have proceeded to treat of the remote causes of fevers, - but they will come in more properly in the Pathology. I shall at present only ~~repeat~~ ^{review} them over again. . .

the destruction of the system in one ~~or~~ all
of the 3 following ways. 1 By the destruction
of some of the viscera whose functions are
necessary to life, by effusion - distention - or
laceration from the impetus or quantity of
the blood, or the excessive action of the
vessels which terminate in them. 2 By the
alteration in the quality of the fluids w^h
renders them unfit for the purposes of
the Animal life. [Whether this alteration
consists in putrefaction - this is not the place
to enquire]. 3 By simple debility without
any organic affections of the viscera, or
change in the fluids. - The two first often
^{unite} combine their influence in destroying the
system.

They are 1 Cold. 2 Heat. 3 Intermittent.
 - perances in eating - drinking & sleeping.
 These produce internal Bilious
 is fatigue. 5 Miasm effluvia. 6 Hu-
 - man effluvia, - either engendered
 in the body - or taken from others, -
 in ^{the last} ~~the last~~ case, they are ~~taken~~ called contagious.
 7 Fear. 8 Grief. 9 Specific Contagions
 as small pox - measles - plague &c.
 & 10 certain stimuli acting upon the
 external, or internal parts of the
 body. -

We proceed now to the cure of
 fevers. ~~We~~ shall begin ⁱⁿ England.
 - and first - by mentioning the
 symptoms which distinguish them
 from other fevers. [p. 27 of h^o;
 opposite side]

They are 1 Cold ~~and~~ ~~this~~ and
 heat acting alternately on the body.

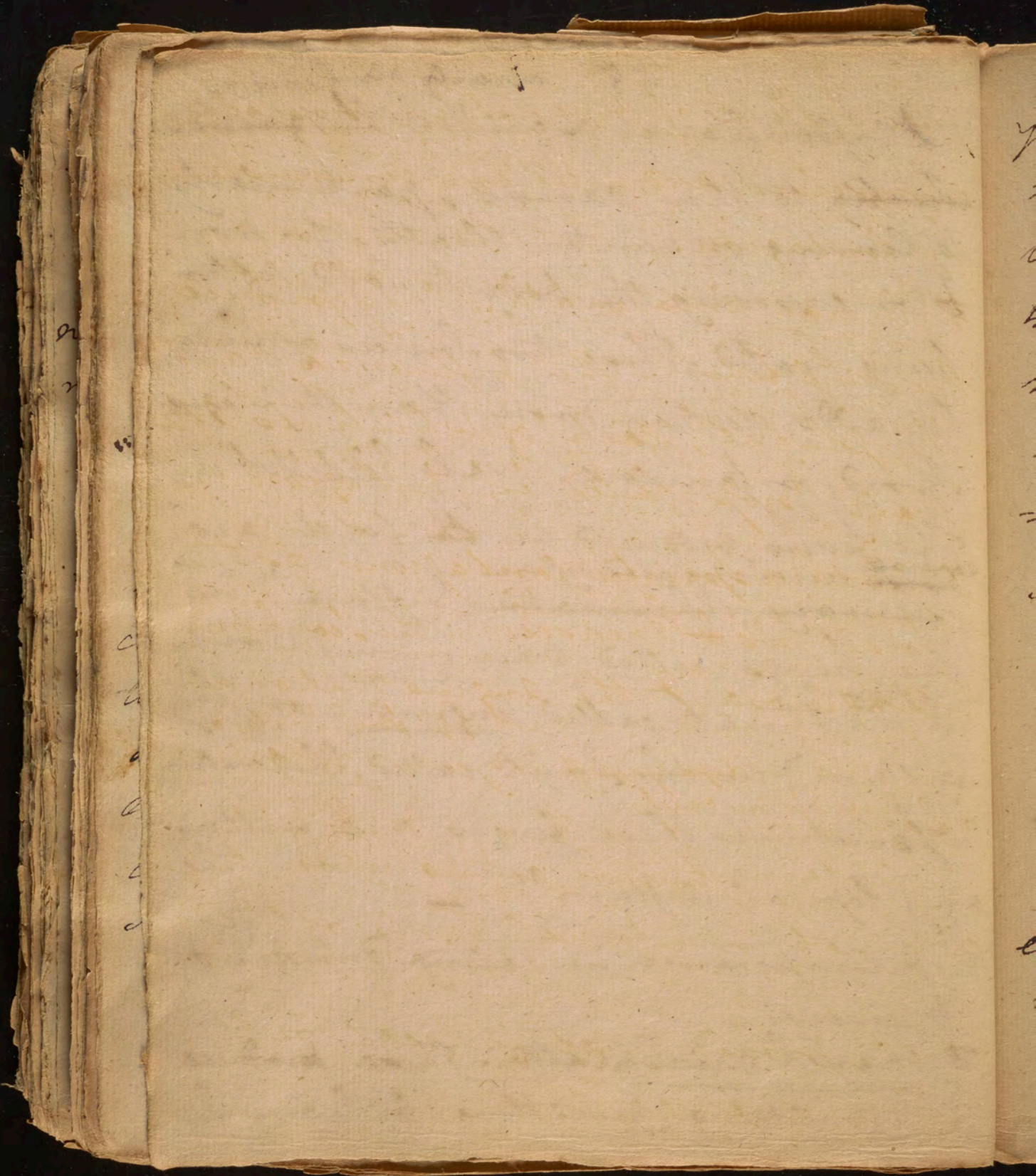


Dr Sydenham ascribes ~~the greatest~~
 chiefly to this cause, particularly
 to leaving off winter clothes too soon,
 & or exposing the body to cold, after
 being heated. These two sources of fever
 he adds destroy more than the plague,
 sword, or famine. Wal: Edit: Vol. 1/337.

The fevers produced by ~~the~~ cold are
 generally accompanied by an
~~pleurisy Rheumatism~~ Inflamⁿ in
 the lungs called pneumony - or by
 an inflamⁿ in the throat called Angina - or by
 inflamⁿ in the joints called Rheumatism.
 - Sometimes these fevers are without
 any topical inflamⁿ: —

2 Intemperance in eating, drinking
 & revery. —

3 marsh miasmata. These produce
 intermitting, remitting, bilious &



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yellow states of fever. They propagate themselves under certain circumstances by contagion.

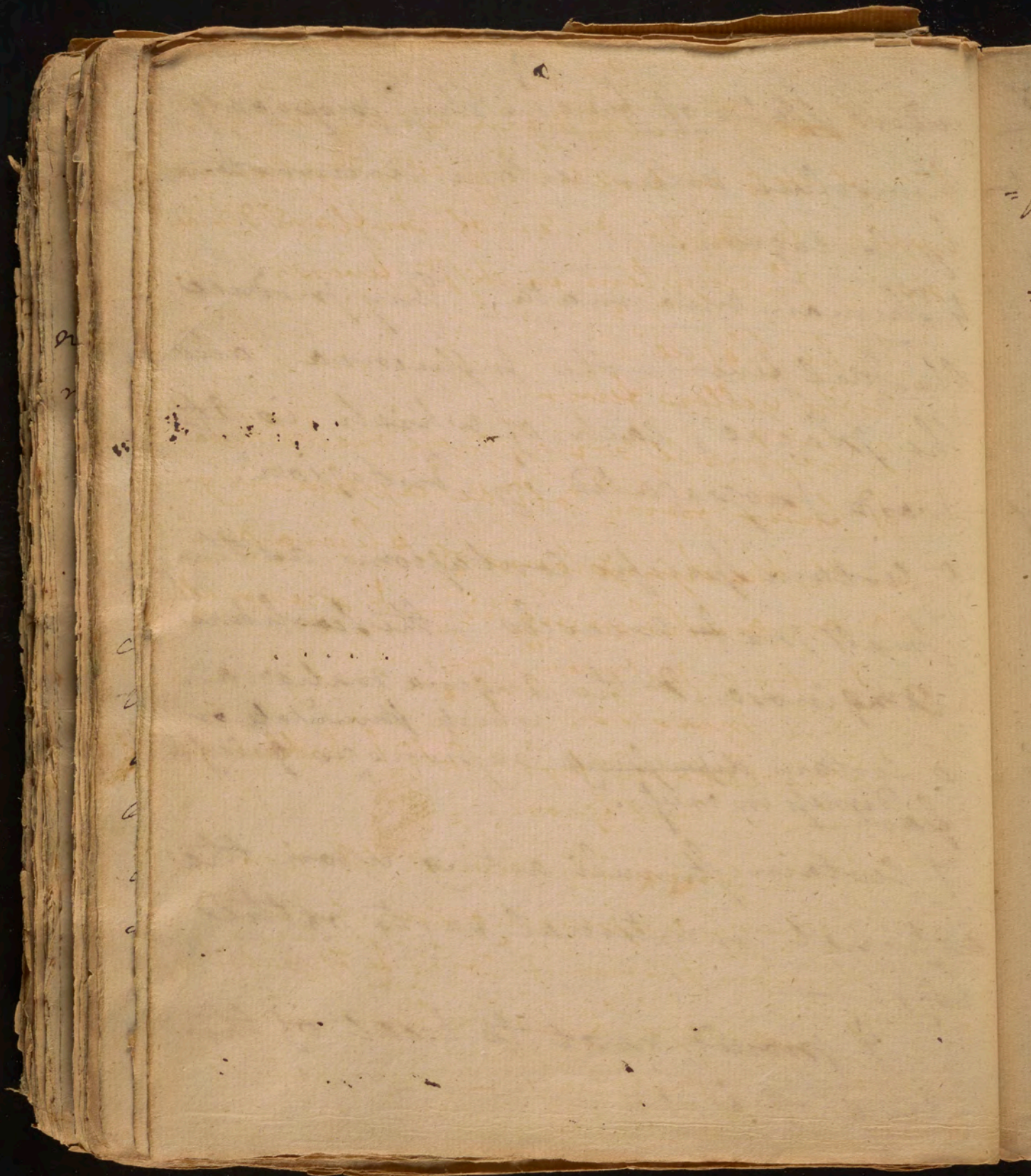
4 Human miasmata. They produce the Jail fever - the Influenza, and the plague, each of which is afterwards propagated by contagion.

5 Certain specific contagions as the small pox & measles. - the scarlatina - ~~Dysentery~~ & the Angina maligna.

6 Certain depressing passions, ^{which stimulate or} as grief & fear. - ^{Dysentery in exerts.}

7 Certain stimuli acting upon the external, or internal parts of the body. -

I proceed next to treat of the cure of fever. -



~~The~~ I shall begin with the inflammatory state of fever. — The following appears to be the Order of inflammatory diathesis in the system in different fevers.

- 1 The Plague.
- 2 The yellow fever
- 3 The small pox. — quere mal. S. throat?
- 4 Fever from cold & appearing with the symptoms of pleurisy — Angina — Rheumatism & occasionally Gout — or pulmon^y consumption
- 5 The measles.
- 6 The Catarrh from Cold & Influenza from Contagion.
- 6 The common remittent. bilious fever — appearing sometimes in the symptoms of Colic ^{Dysentery} & Hepatitis, & Hydrocephalus internus.
- 7 The Scarlatina — puerperile & hectic fever.

the inflam^d state of
 V The Remedies for fever. in the
~~first stage~~ ^{by} consist in the Abstraction
 of stimulus by
 I evacuations. These are

- 1 Blood letting.
- 2 purging.
- 3 Vomiting
- 4 Sweating.
- 5 a salivation.
- 6 Blisters

II. The Abstraction of stimulus of
 heat by
 1 Cold Air &

2 Cold Water } ~~of food~~

of food by 3 Abstinence. of

of ~~light~~ ^{by} light 4 Silence - darkness -

of in^{ter}pro^{per} ^{by} 5 moderate fear. & ~~moderately~~ ^{by} ~~rest~~
 of acrimony by 6 Diluting drinks - & ~~cleansing~~ -

III Sedative medicines - as

1 nitre. 2 Glau^{ber} Sal^t
 3 sac. Sat. Digitalis. Oil

I shall first make a few remarks
 upon each of the Above Remedies,
 and then apply them to each of

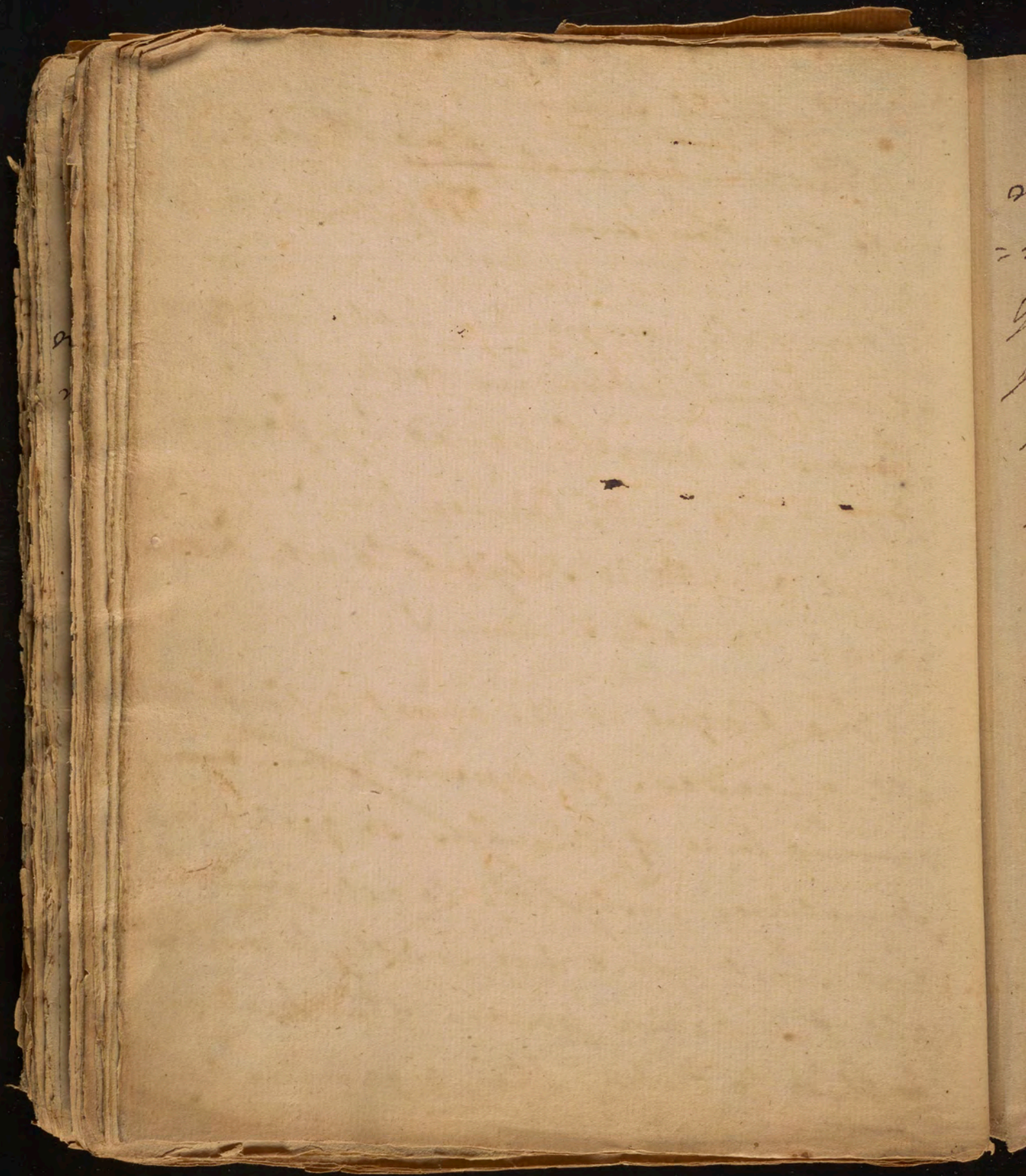
8 The Jail fever

9 The malignant ~~fever~~ Sore throat. 2

10 The common mild ~~intermittent~~.

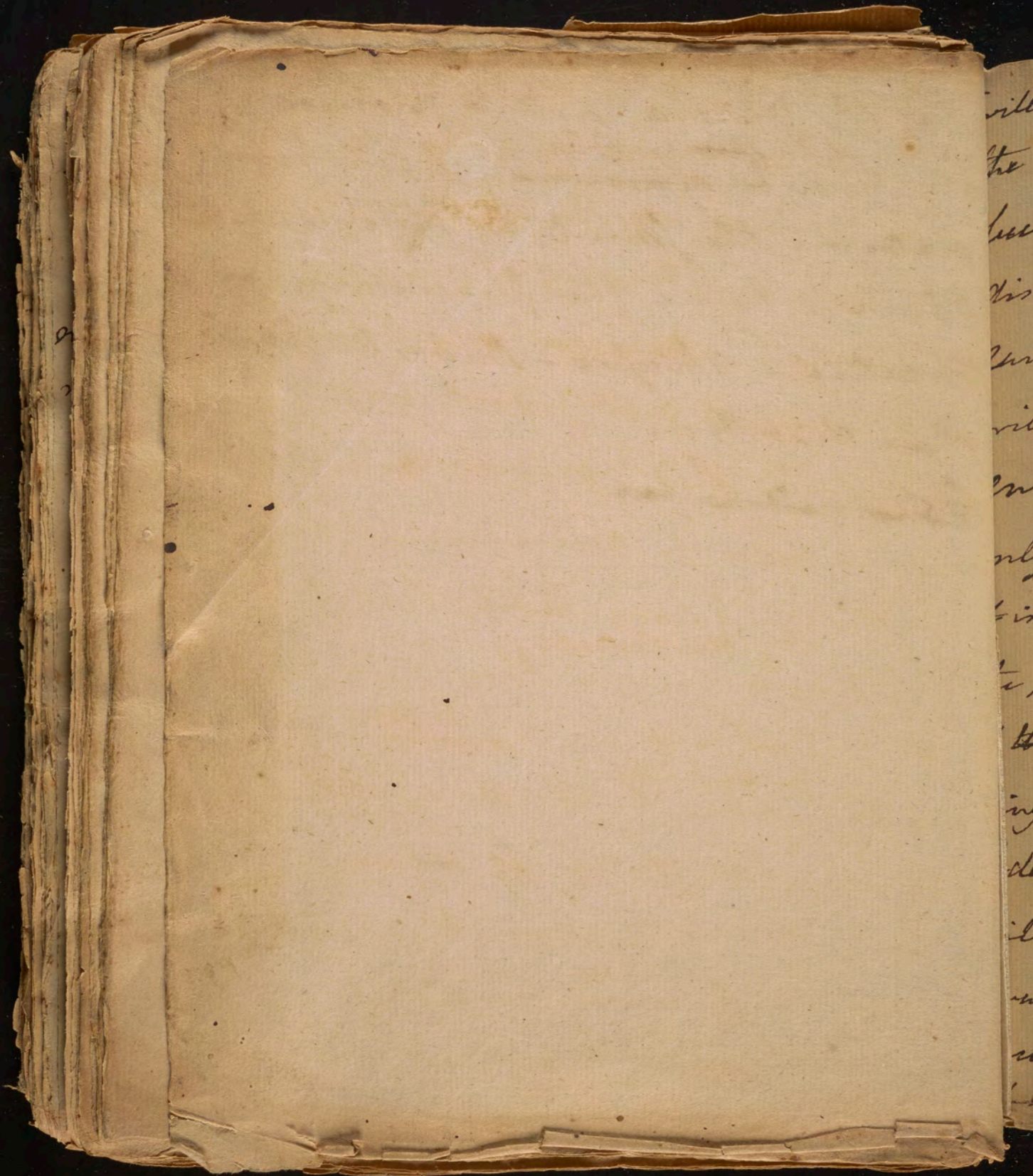
You will remember that the degree of inflammⁿ action in each of the above fevers is much varied by season & climate - Of course the order I have adopted is subject to an occasional variety. — V

~~1 The Plague is the most inflam^y of all diseases. It depends upon immen^ase force of stimulus so great as sometimes instantly to extinguish life, but more frequently to prostrate all the active powers of the system, & also to destroy the organization~~



of the viscera, and to produce ^{dilatation &}
of the skin vessels
eruptions & ~~effusions~~ which termi-
-nate on the skin & in the lymphatic
glands - hence the frequency of
petechiae - Abscesses - Bubos &c in
this disorder.

~~The yellow fever~~



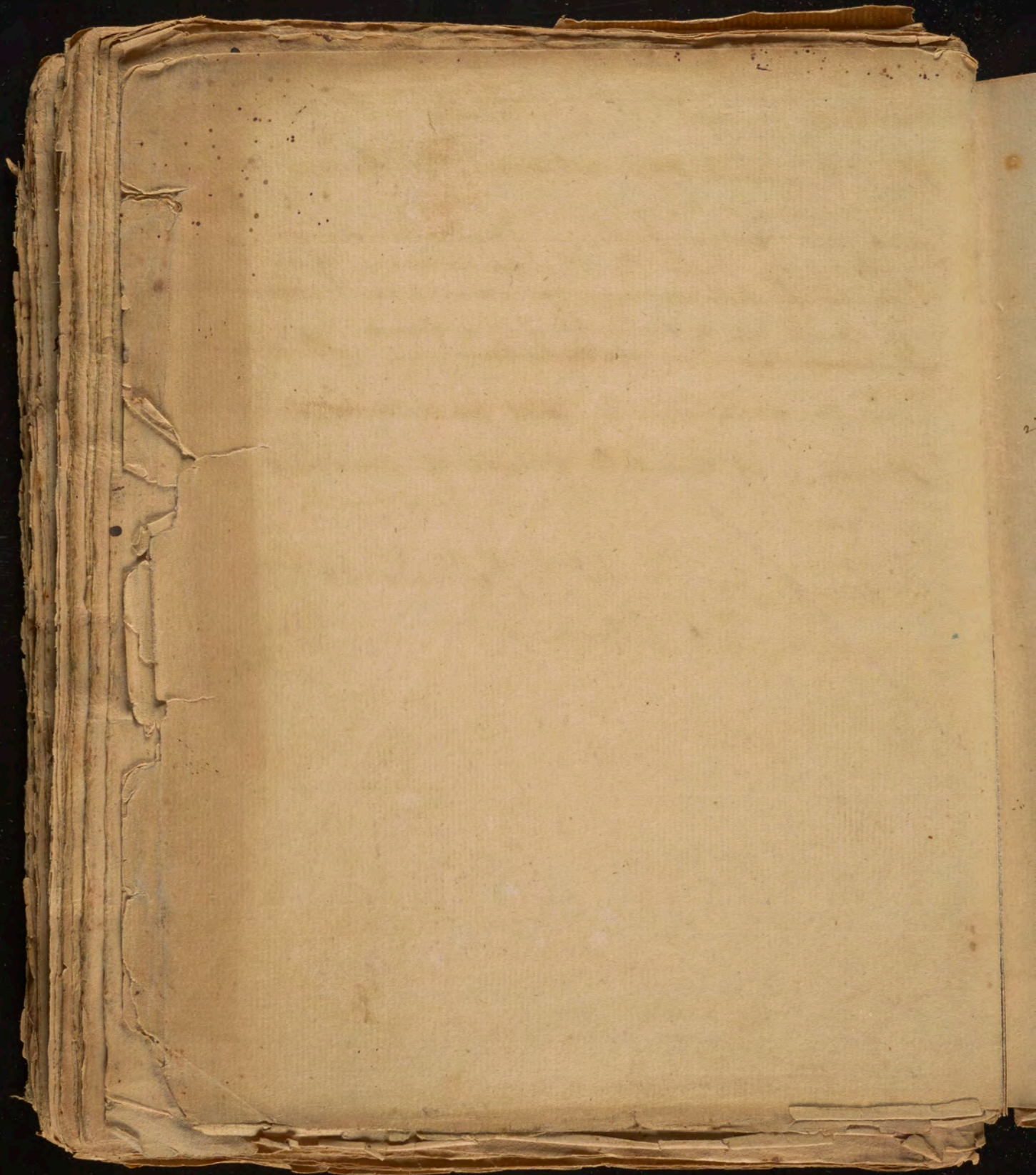
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will be viewed in the same light that
the coasting voyages of ^{the ancients} antiquity have
been viewed by the moderns since the
discovery and use of the Magnet in
Navigation. ~~On fact~~ ^{On fact} I have met
with several facts which lead me to
entertain this opinion, one of which
only is ripe for communication, and
it is this) - I have lately heard that
the Indians ^{in this country} cross a Plurisy (a disease
of the highest inflammation ^{action} ~~disease~~) by sup-
-ping themselves ^{for sometime} by the Arm of the Affected
side upon the limb of a tree - There is
-itement is taken down & excitability
wasted at the same time, & from our
rec^d of the effects of Cold Air in ^{inflamm^y fevers} the case
of ~~melancholy~~ ^{melancholy} lodges, we are prepared to

But again informs us that was
✓ "Capt. Cook's" ~~acc~~ of himself
being cured of an infl^d Rheuma-
tism by hard frictions in one
of the friendly Islands which he
visited. The frictions agitated his system
violently, but they ~~was~~ removed his
disorder perfectly in four & twenty
hours. —

confide most in a remedy which produces
 that twofold operation. I throw ^{hitherto} the result
 out for your future consideration, and
 it may lead to the discovery of more
~~but that let away be remembered that~~
~~I consider the debilitate~~ ^{perhaps} which may
 help to establish ~~the practice~~, a more
 speedy and simple mode of curing inf
 diseases.

Part from Wm Penn's letter in
 Sir J^{ns} Flower



exposed to strong exciting ^{powers} ~~causes~~ (for ex-
 -mittents happen usually in Autumn) they
 are soon accompanied by a defect of ~~action~~,
 hence they are apt to be ^{of} a mixed nature,
 & always tend to typhus or nervous fever.

In the Intermitting fever there is strong
~~irregular~~ ^{irregular} ~~action~~, & a speedy solution of the fever
 only because the system is free from the
 influence of those causes which produce
 a tension in the arterial system & an
 inflamed Diathesis. ✓

In the Typhus mitior ^{there is} ~~there is~~ ^{degree of} ~~irregular~~ ^{much} ~~action~~ ^{regular action}
~~but a greater defect of~~ ^{most frequently}

In the Typhus gravior there is a total
^{deficiency} ~~defect~~ ^{as high kind} of ~~action~~ - hence it sometimes
 proves fatal in its first attack, & hence
 it sometimes appears without ~~a~~ a
 chilly fit. ✓ The absence of a chill in-
 -dicates the utmost debility, & the most
 sapine state of the ^{vis motrix} ~~self preserving~~ ^{power}

V Before we proceed to the cure of inflamm^d fever
will be necessary to lay down the marks or signs
which distinguish them from the fevers
that have been mentioned. These are the

1 From the remote causes - ^{& predisposing} ~~taken~~ ^{quoted yesterday} from
Cullen - especially previous Cold & heat.
^{includes a regard to the Season, & the prevailing epidemic}
2 From the symptoms - ~~to~~ ^{most frequently} topical pain -
of the sides or shoulder - or breast - costiveness
the absence of Vomiting - very often afford a
presumption of the existence of inflamm^d fever.

From the age
3 ~~The Age~~ & constitution of the patient
the young & athletic being most subject
inflamm^d fevers. -

4 From the ^{previous} habits of the patient with
to disease. A man died ^{in 1788.} last year in

of his 34th year of a pleurisy. I have attended
Wm Lowman in his 2nd ^{or 3rd} year of life.

5 From the Country, or late place of abode
of a patient. we are creatures of habit
as well as of habit, & the effects of it are
transported with us to foreign Countries
An American in London requires will

of Nature. —

Let us now attend to the cause of
Inflamm^y & fever. In these I include Pneumonia
- morby - Rheumatism - Inflamm^y & Angina -
the inflamm^y small prot^s & muscles
- Inflamm^y Catarrh - & most other topical
Inflamm^y & lastly, Synocha - or the simple

Inflamm^y & fever. I consider them all as
primary ^{the other inflamm^y &}
Diseases of the whole system. The lungs are
& ~~shall be considered hereafter~~. - They probably depend on
throat ~~are~~ affected in the pneumonia -
Angina & Catarrh, only in consequence
of their being a continuation of the process
of the body. ^{effections of these parts} They are the consequences only of
a general affection of the system. ~~After~~

I know that doubts have been entertained
whether there can be a simple inflamm^y.
State of fever without topical Affection. I once
hesitated upon this subject - but I am now
satisfied that it can & does exist - having seen
^{many} ~~several~~ distinct cases of it.
Before we proceed to treat —

more
the Cop of 4 times the blood $\frac{1}{2}$: a citizen of London
Of this I saw an example in Capt Lawrence's
- The history of this case presented ^{death} probably in
January. It may be useful to Southern practitioners
when called to visit new settlers from the
- these states. - This Observation may be extended

see Hillary - As the ~~is~~ & swelled leg common
after Intermittents in Barbados. The first case
in London th Barbadoes, & I once saw the 2^d

a maid brought from Barbados by a gentleman
in this city. - 6 The previous Season &c

The chief ^{Distinction} ~~marks~~ of Influenza is to
taken from the Throat. It is hard - just

& generally full. But is often hard ^{the} with
much fulness. ^{very} A quick pulse should be suspected of
being connected wth ^{inflammatory} diathesis.

Pulse the follow: circumstances should
attended to. see p: 113: of N^o 4. -

(1) The pulse should be felt with the finger
- never with the thumb - preferably

with the fingers of one hand only
- having to enlarge this perception the Vision &c
wanted. (2) Different positions of the body - as lying

of the usual remedies in inflam^d fevers, two
^{very important questions}
 Questions are to be answered. —

1 ~~Is it possible to~~ Are there any marks
 by which the approach of an inflam^d
 fev^r may be known, & ^{are} there any
 means of preventing it? — I answer.

yes. — To predict the approach & thereby
^{to prevent}
 the Attack of diseases is a much neglected
 part of medicine. There are few natural

evils in the world, which have not
 their harbingers, & and I believe most dis-

— cases have their precursors, or premonitory

Two gentlemen now in this city [Dr. Wallis, & Dr. V.
 Signs. — Frightful Dreams precede the
 Vaughan's Clerk I declare that they can tell when they are
 internal Dropsy of the Brain — Costiveness,
 about to be induced by having y^e relish for their
 & short, small stools precede the Dysentery.
 tobacco.

A burning in the palms of the hands,
 & a quick pulse in the evening often
 appear three months before the cough
 which usher in the Consumption
 of the lungs. A pain in the back
 & coldness

the sides & back - sitting up - standing up - & pro-
ximity to a fire all influence the pulse. —

(3) Different states of the system as sleep^(u) - a full &
- & previous Aliment & drinks. —

(4) Passions of the mind - such as hope - fear -
- & the exercise of the understanding -
- get the - the never be felt soon after a phy-
- sician enters a room, nor after should
judgement be formed of it after D. has been
recommended. —

(5) Different positions of the room influence
the pulse - Sh^d. always be free from prepos-
session but - fewest touches then ad

(6) The state of sensation in a physician
being different in different postures, he
always ~~very much~~ feel it in the
same. Sitting is best. ~~accepted way by~~
he will find an advantage in con-
~~stantly~~ ~~standing~~ ~~standing~~ ~~standing~~
- treating his patients by commanding
silence, & even shutting his eyes. By

(a) Pulse is $\frac{1}{3}$ slower in the morning -
is slower in sleep than in waking -

